

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061538.D
 Acq On : 28 May 2020 17:45
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: May 29 01:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	414223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	695831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	624291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	274006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	5481	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	
35) Dibromofluoromethane	7.54	113	4601	1.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.52%	
50) Toluene-d8	10.06	98	17322	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	
62) 4-Bromofluorobenzene	12.38	95	6695	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	3305	0.909	ug/l	96
3) Chloromethane	2.03	50	5451	0.978	ug/l	89
4) Vinyl Chloride	2.16	62	6780	0.862	ug/l	95
5) Bromomethane	2.54	94	4889	1.120	ug/l	96
6) Chloroethane	2.67	64	4772	0.906	ug/l	95
7) Trichlorofluoromethane	2.98	101	9356	0.970	ug/l	100
8) Diethyl Ether	3.37	74	2995	1.064	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	4198	1.045	ug/l	96
10) Methyl Iodide	3.91	142	5920	1.166	ug/l	98
11) Tert butyl alcohol	4.73	59	3515	5.072	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	4797	1.132	ug/l	83
13) Acrolein	3.57	56	1913	3.874	ug/l	89
14) Allyl chloride	4.27	41	6170	0.933	ug/l	93
15) Acrylonitrile	4.93	53	8989	4.371	ug/l	96
16) Acetone	3.77	43	15734	8.572	ug/l	98
17) Carbon Disulfide	4.01	76	10726	1.032	ug/l	96
18) Methyl Acetate	4.28	43	5239	1.108	ug/l #	74
19) Methyl tert-butyl Ether	4.99	73	15797	1.002	ug/l	95
20) Methylene Chloride	4.50	84	11826	2.361	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	5438	1.126	ug/l #	83
22) Diisopropyl ether	5.89	45	12506	0.839	ug/l #	79
23) Vinyl Acetate	5.84	43	49771	4.198	ug/l	96
24) 1,1-Dichloroethane	5.80	63	8250	0.940	ug/l #	93
25) 2-Butanone	6.79	43	12455	4.573	ug/l	99
26) 2,2-Dichloropropane	6.77	77	8340	1.002	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	5401	0.948	ug/l	94
28) Bromochloromethane	7.15	49	4519	1.245	ug/l #	88
29) Tetrahydrofuran	7.17	42	8059	4.468	ug/l #	72
30) Chloroform	7.33	83	9139	0.991	ug/l	88
31) Cyclohexane	7.61	56	13770	1.650	ug/l #	44
32) 1,1,1-Trichloroethane	7.53	97	8177	0.969	ug/l #	47
36) 1,1-Dichloropropene	7.74	75	6149	0.959	ug/l	98
37) Ethyl Acetate	6.88	43	4137	0.713	ug/l #	88
38) Carbon Tetrachloride	7.73	117	5066	0.854	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	7467	0.951	ug/l	93
40) Benzene	8.00	78	19700	1.018	ug/l	97
41) Methacrylonitrile	7.13	41	2642	1.108	ug/l #	85
42) 1,2-Dichloroethane	8.08	62	6686	0.969	ug/l	100
43) Isopropyl Acetate	8.13	43	9009	0.897	ug/l #	85
44) Trichloroethene	8.80	130	5781	1.104	ug/l	95
45) 1,2-Dichloropropane	9.08	63	4422	0.920	ug/l	93
46) Dibromomethane	9.18	93	3788	1.108	ug/l	92
47) Bromodichloromethane	9.37	83	6451	0.905	ug/l	96
48) Methyl methacrylate	9.17	41	4599	0.997	ug/l #	79
49) 1,4-Dioxane	9.16	88	1474	25.530	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	24680	4.504	ug/l	95
52) Toluene	10.12	92	12126	0.972	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	7062	0.908	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	7698	0.926	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	4990	1.055	ug/l	97
56) Ethyl methacrylate	10.40	69	6198	0.848	ug/l	95
57) 1,3-Dichloropropane	10.68	76	7915	0.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	11257	3.512	ug/l	100
59) 2-Hexanone	10.72	43	17217	4.346	ug/l	94
60) Dibromochloromethane	10.87	129	4988	0.946	ug/l	95
61) 1,2-Dibromoethane	10.98	107	4833	0.969	ug/l	93
64) Tetrachloroethene	10.60	164	5926	1.190	ug/l	93
65) Chlorobenzene	11.41	112	12911	1.017	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.48	131	4837	1.056	ug/l #	62
67) Ethyl Benzene	11.48	91	22387	0.978	ug/l	95
68) m/p-Xylenes	11.60	106	17070	1.951	ug/l	98
69) o-Xylene	11.92	106	7829	0.925	ug/l	90
70) Styrene	11.94	104	12294	0.878	ug/l	95
71) Bromoform	12.10	173	3042	0.929	ug/l #	100
73) Isopropylbenzene	12.22	105	21007	0.976	ug/l	97
74) N-amyl acetate	12.05	43	5296	0.683	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.48	83	6209	1.047	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	7570	1.327	ug/l #	100
77) Bromobenzene	12.50	156	5355	1.116	ug/l	92
78) n-propylbenzene	12.57	91	24249	0.994	ug/l	95
79) 2-Chlorotoluene	12.65	91	14569	1.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	16979	0.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	2058	0.949	ug/l	92
82) 4-Chlorotoluene	12.75	91	15246	1.018	ug/l	96
83) tert-Butylbenzene	12.97	119	16077	1.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	16263	0.921	ug/l	97
85) sec-Butylbenzene	13.15	105	19753	0.970	ug/l	98
86) p-Isopropyltoluene	13.27	119	17631	0.969	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	8931	1.025	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	9675	1.109	ug/l	92
89) n-Butylbenzene	13.59	91	14680	0.900	ug/l	98
90) Hexachloroethane	13.85	117	1719	0.725	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	8404	1.005	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1263	1.054	ug/l	86

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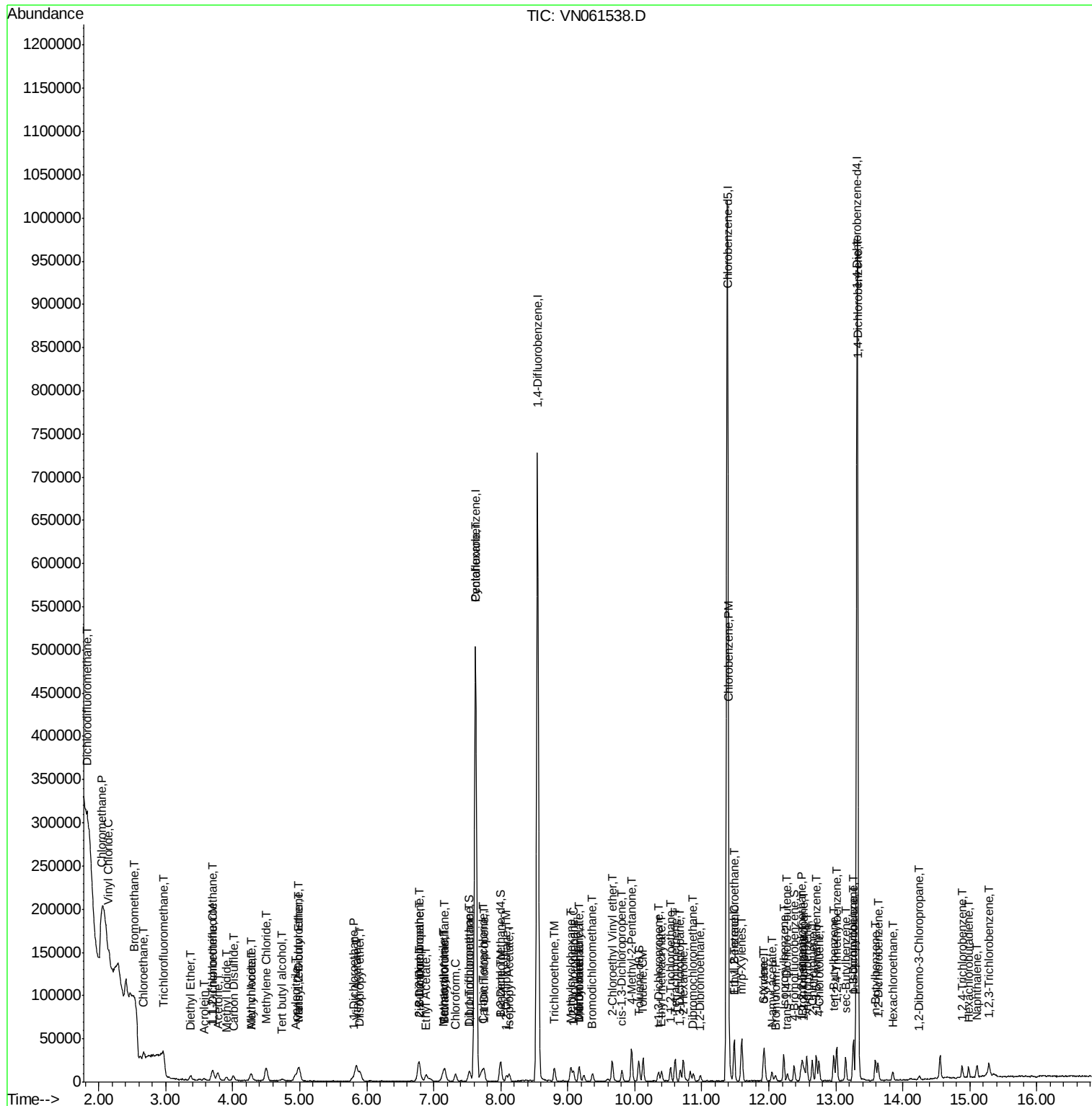
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	4728	1.033	ug/l	99
94) Hexachlorobutadiene	14.99	225	2345	1.165	ug/l	95
95) Naphthalene	15.11	128	13412	0.925	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	4647	1.017	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

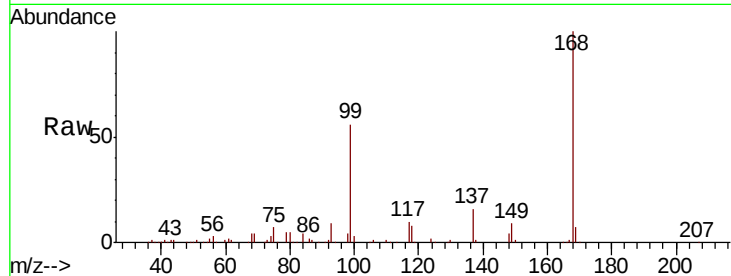
VSTDIC001

Tot Ion:168 Resp: 414223

Ion Ratio Lower Upper

168 100

99 56.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

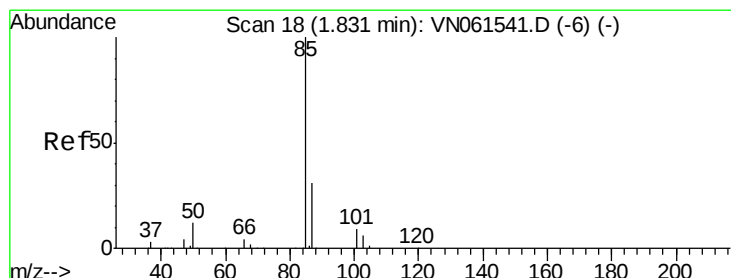
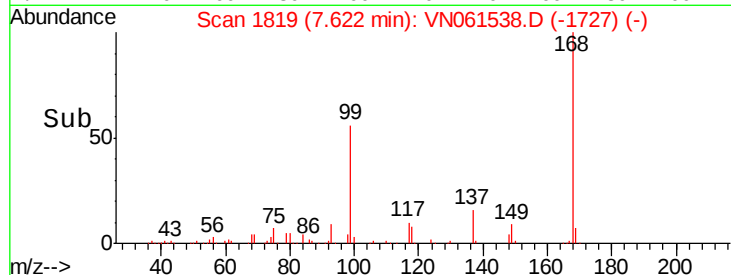
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.909 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061538.D

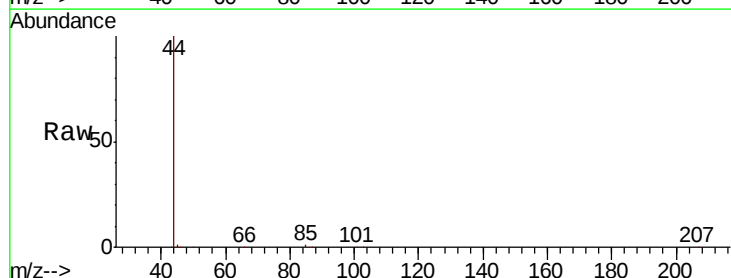
Acq: 28 May 2020 17:45

Tgt Ion: 85 Resp: 3305

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

3000

2500

2000

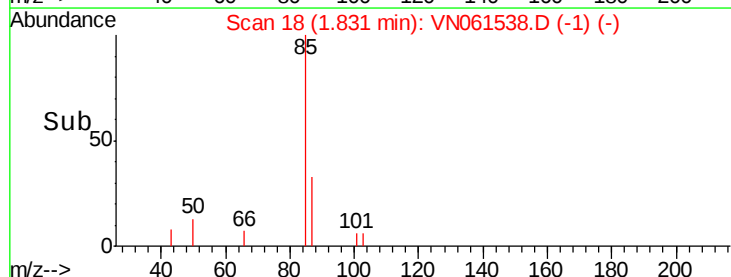
1500

1000

500

0

Time-->





#3

Chloromethane

Concen: 0.978 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

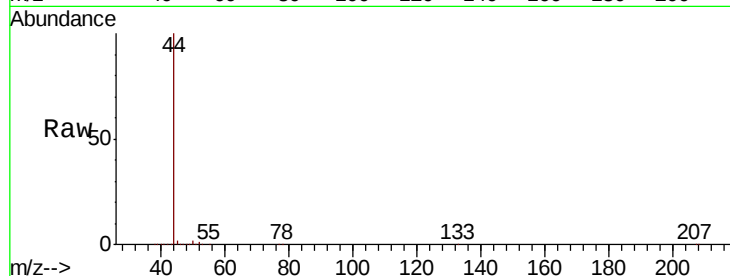
VSTDIC001

Tot Ion: 50 Resp: 5451

Ion Ratio Lower Upper

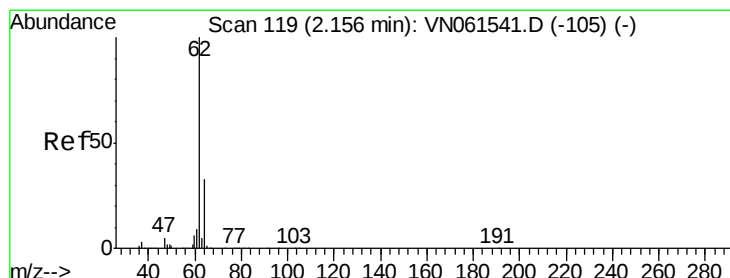
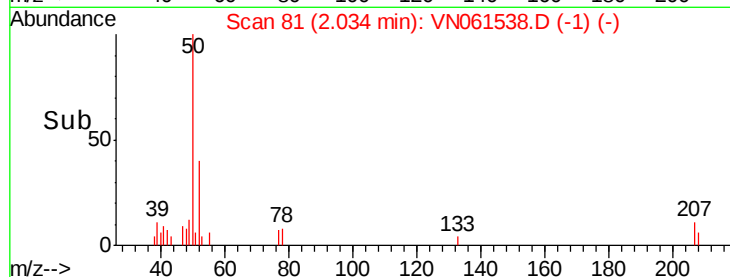
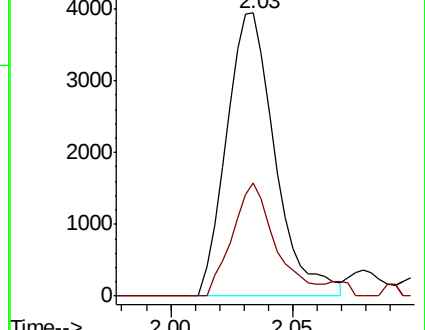
50 100

52 39.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN061538.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061538.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.862 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061538.D

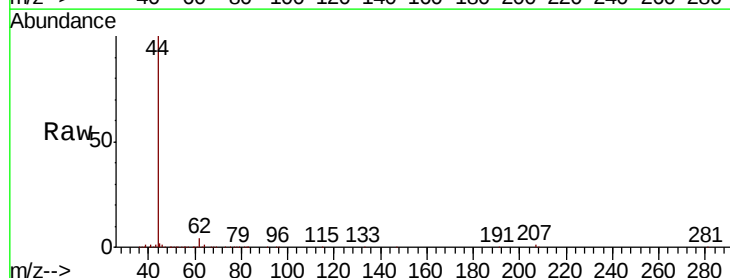
Acq: 28 May 2020 17:45

Tgt Ion: 62 Resp: 6780

Ion Ratio Lower Upper

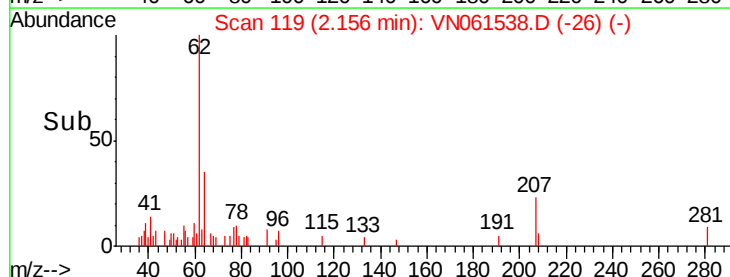
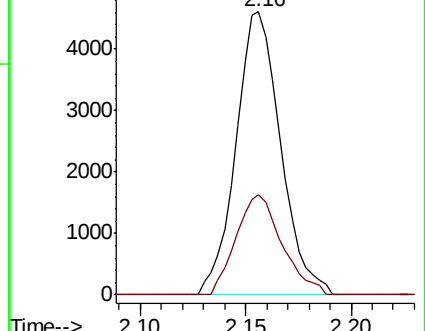
62 100

64 35.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN061538.D (-26) (-)

Ion 63.90 (63.60 to 64.60): VN061538.D (-26) (-)





#5

Bromomethane

Concen: 1.120 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

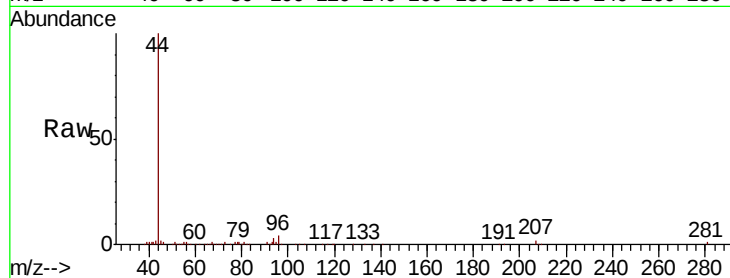
VSTDIC001

Tot Ion: 94 Resp: 4889

Ion Ratio Lower Upper

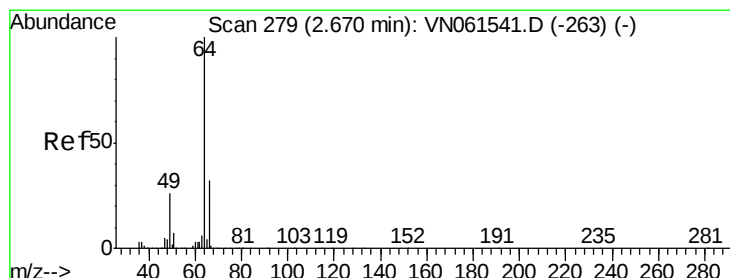
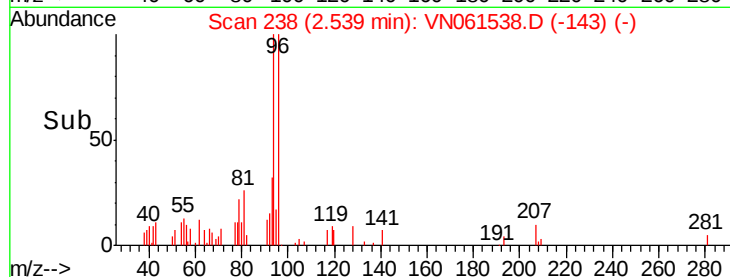
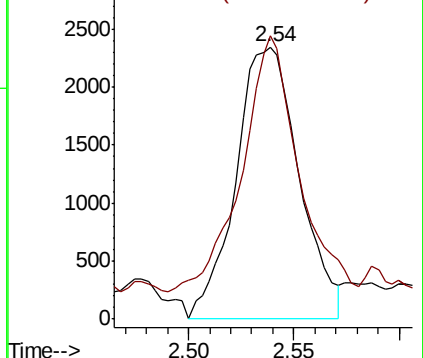
94 100

96 89.5 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.906 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061538.D

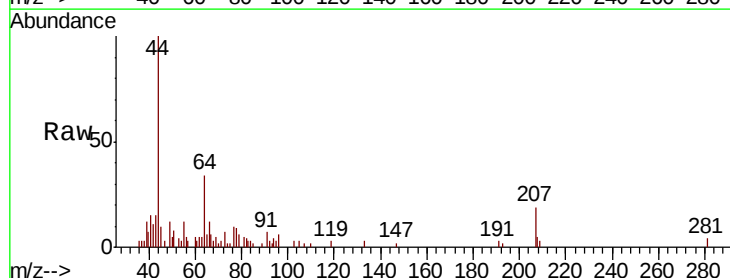
Acq: 28 May 2020 17:45

Tgt Ion: 64 Resp: 4772

Ion Ratio Lower Upper

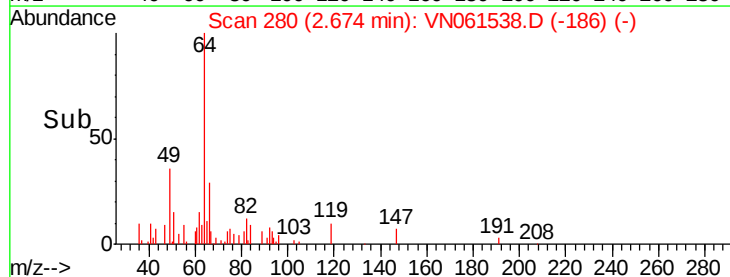
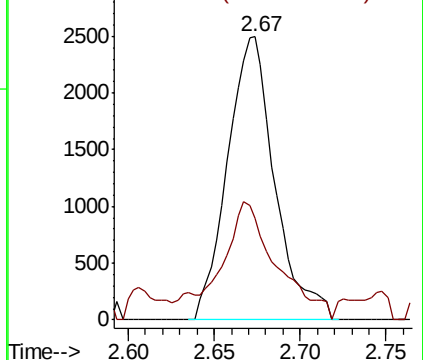
64 100

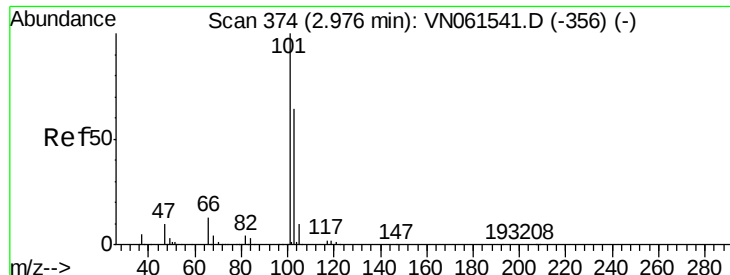
66 29.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



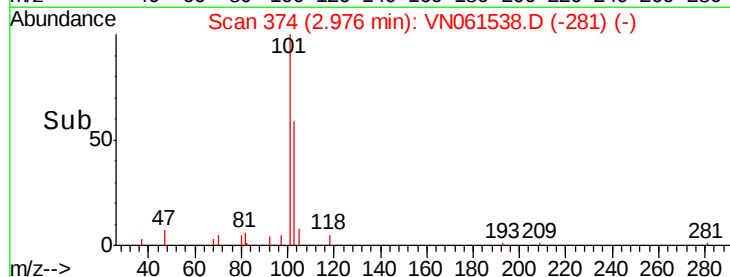
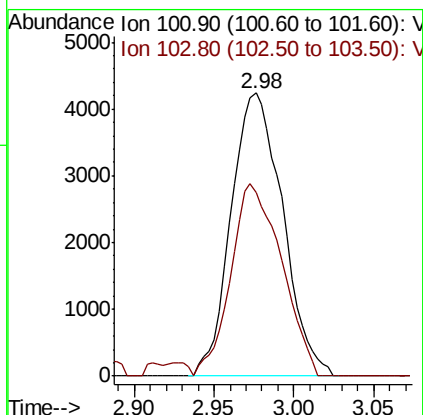
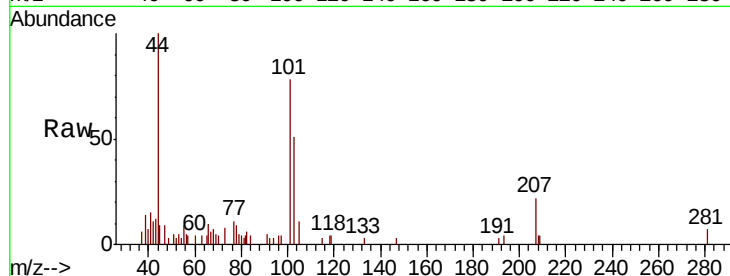


#7

Trichlorofluoromethane
 Concen: 0.970 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061538.D
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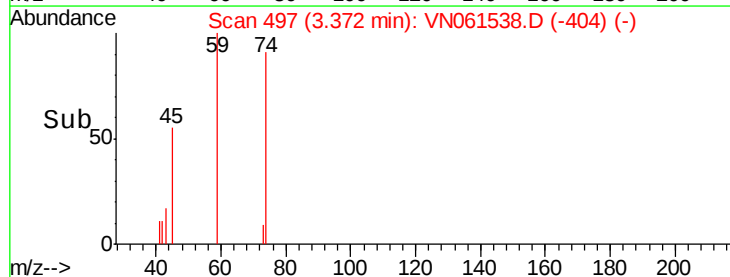
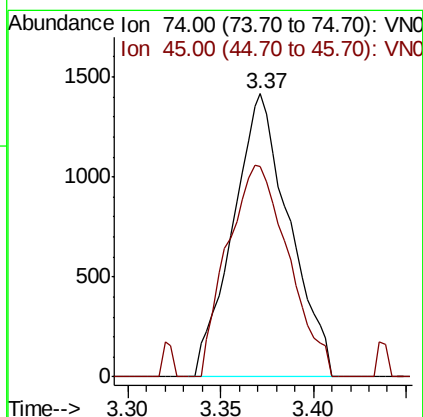
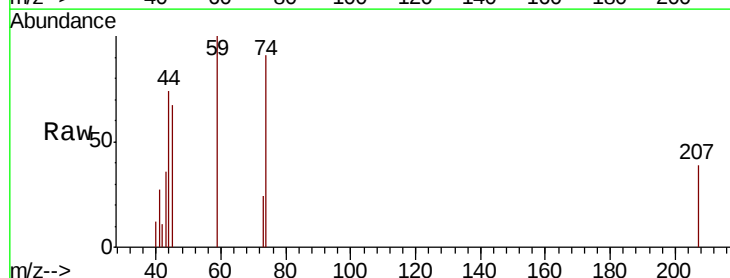
Tot Ion:101 Resp: 9356
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.4 77.2

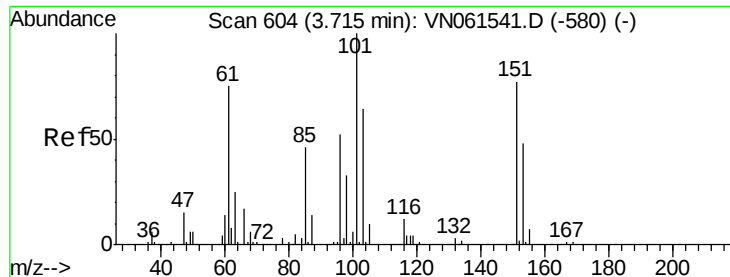


#8

Diethyl Ether
 Concen: 1.064 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 74 Resp: 2995
 Ion Ratio Lower Upper
 74 100
 45 81.1 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.045 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

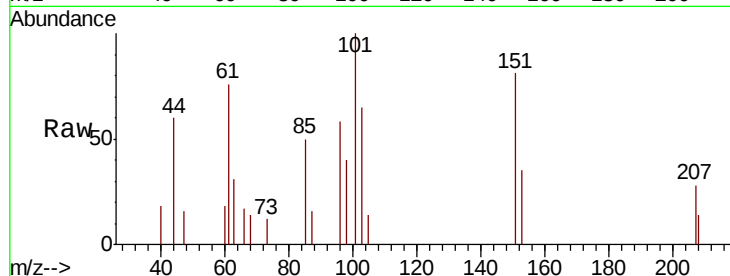
Tot Ion:101 Resp: 4198

Ion Ratio Lower Upper

101 100

85 49.6 35.2 52.8

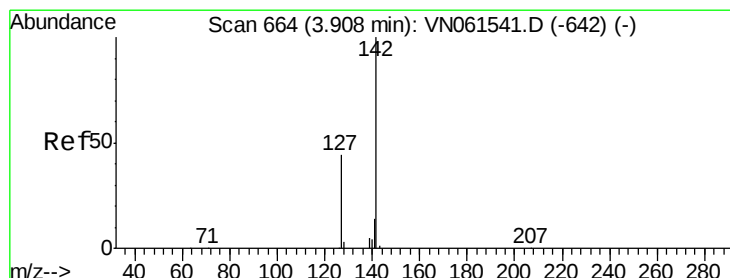
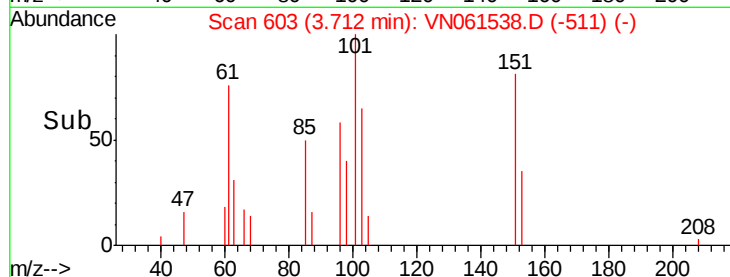
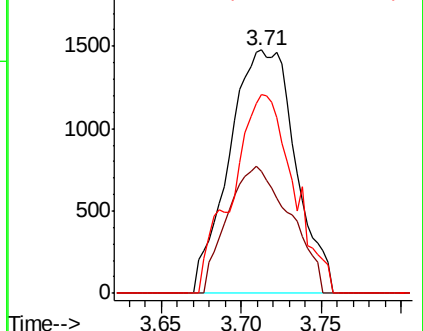
151 75.7 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.166 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

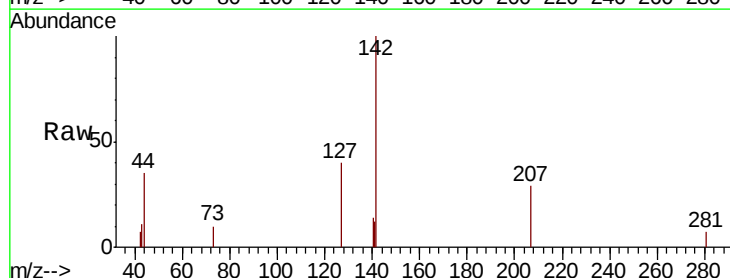
Tgt Ion:142 Resp: 5920

Ion Ratio Lower Upper

142 100

127 43.2 35.5 53.3

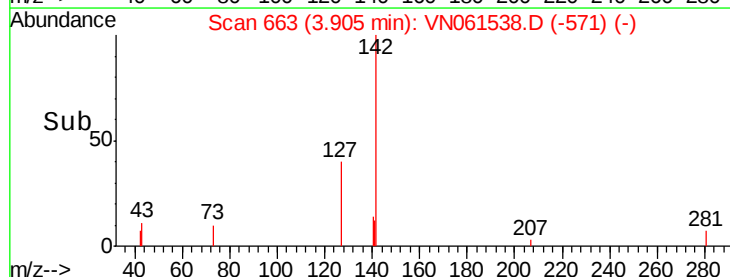
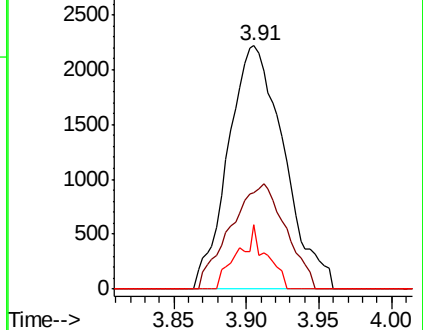
141 13.6 11.5 17.3

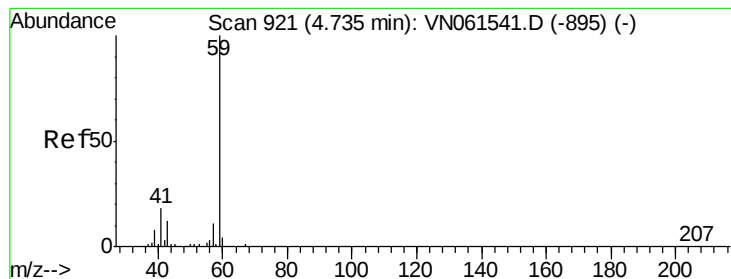


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



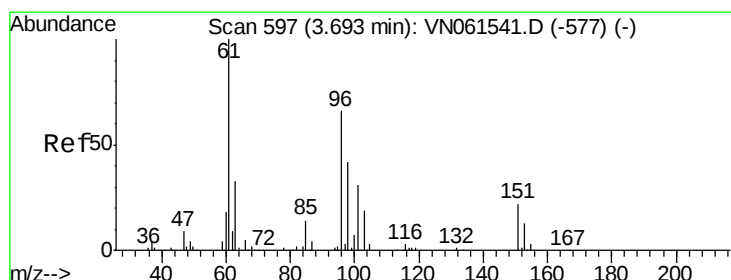
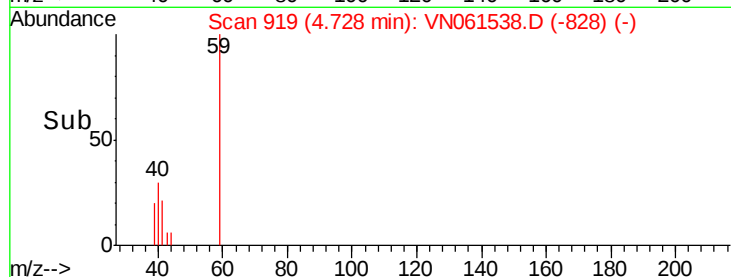
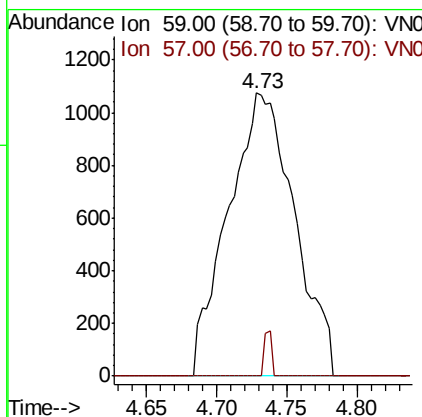
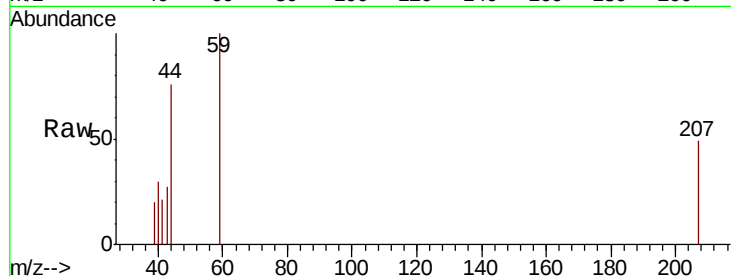


#11

Tert butyl alcohol
 Concen: 5.072 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

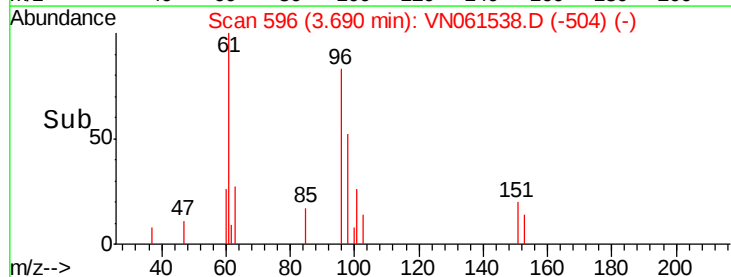
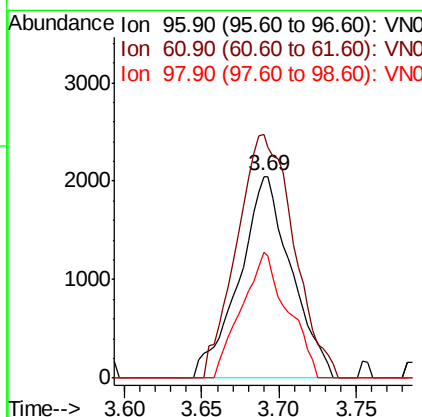
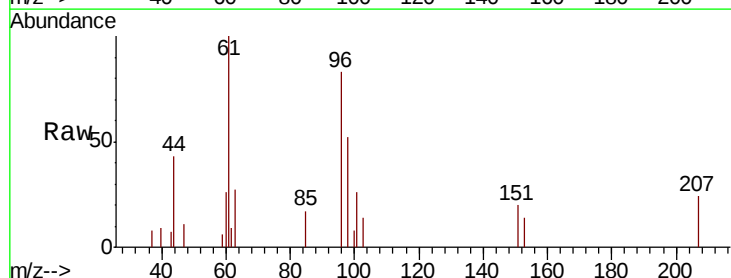
Tot Ion: 59 Resp: 3515
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



#12

1,1-Dichloroethene
 Concen: 1.132 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 96 Resp: 4797
 Ion Ratio Lower Upper
 96 100
 61 120.6 120.5 180.7
 98 62.3 50.8 76.2





#13

Acrolein

Concen: 3.874 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

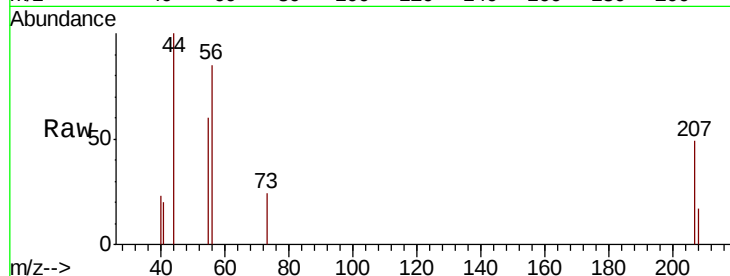
VSTDIC001

Tot Ion: 56 Resp: 1913

Ion Ratio Lower Upper

56 100

55 81.3 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061538.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061538.D (-540) (-)

3.57

800

600

400

200

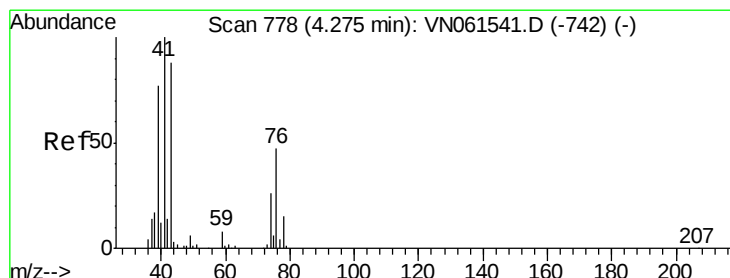
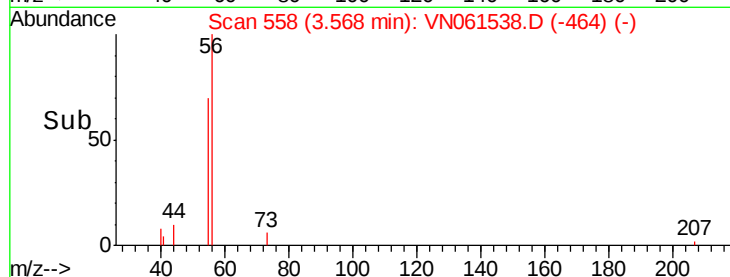
0

Time-->

3.50

3.55

3.60



#14

Allyl chloride

Concen: 0.933 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

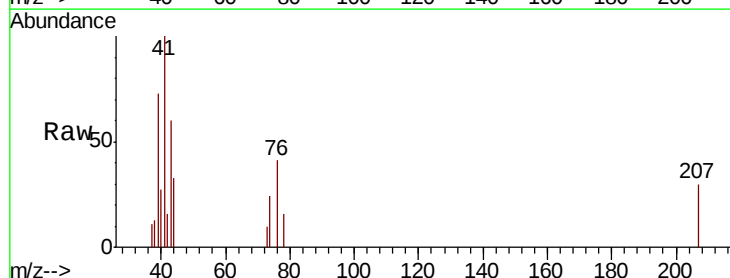
Tgt Ion: 41 Resp: 6170

Ion Ratio Lower Upper

41 100

39 76.6 58.6 88.0

76 34.9 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061538.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061538.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061538.D (-685) (-)

4.27

2500

2000

1500

1000

500

0

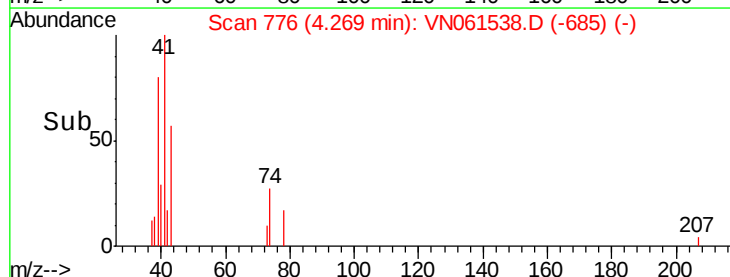
Time-->

4.20

4.25

4.30

4.35





#15

Acrylonitrile

Concen: 4.371 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

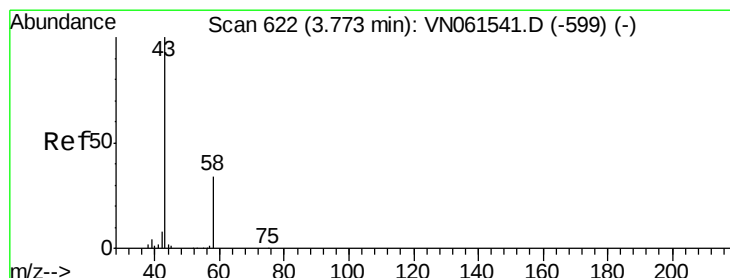
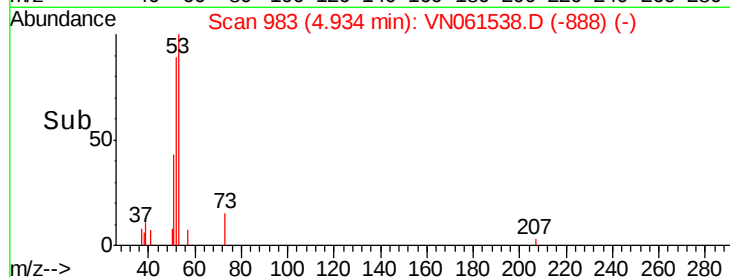
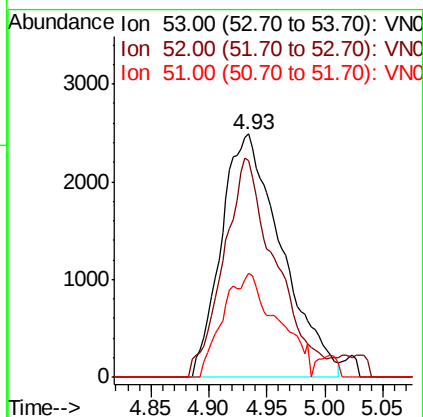
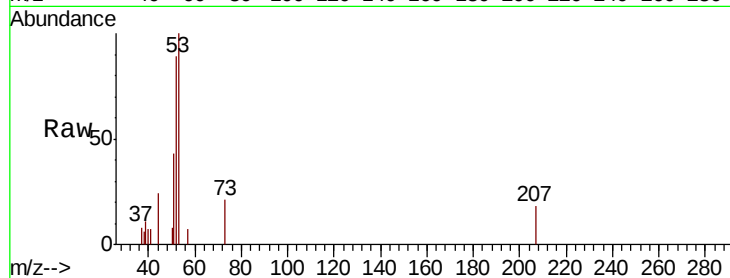
Tot Ion: 53 Resp: 8989

Ion Ratio Lower Upper

53 100

52 77.9 65.4 98.2

51 38.6 29.0 43.6



#16

Acetone

Concen: 8.572 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061538.D

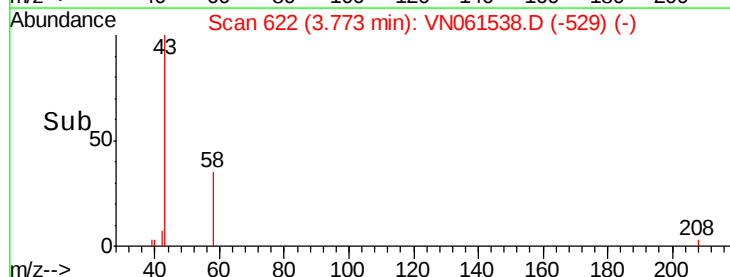
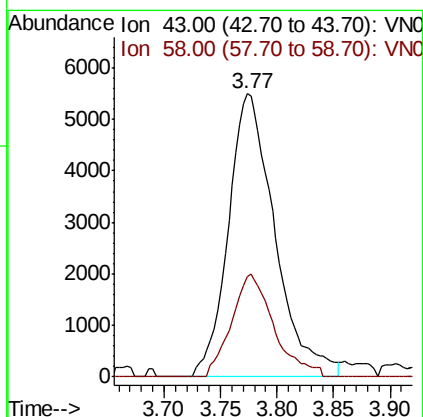
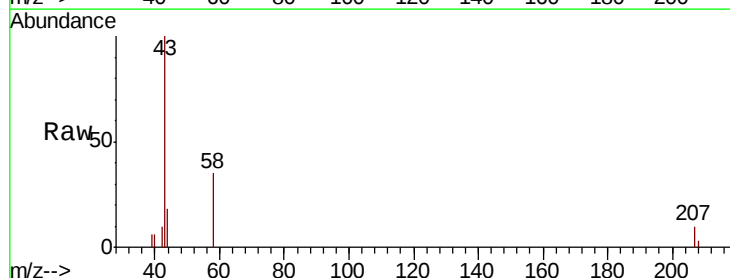
Acq: 28 May 2020 17:45

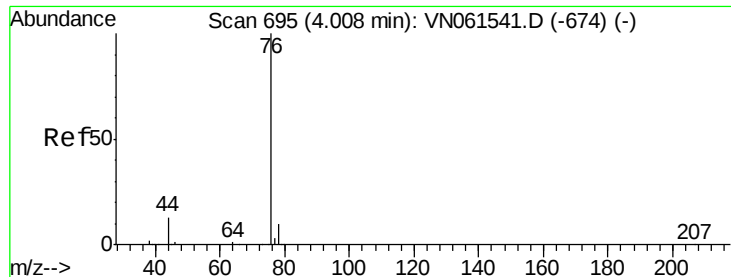
Tgt Ion: 43 Resp: 15734

Ion Ratio Lower Upper

43 100

58 35.4 27.2 40.8

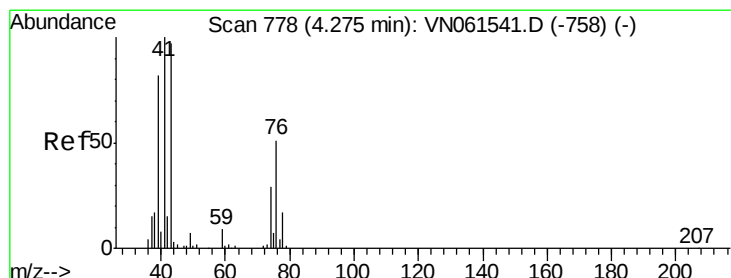
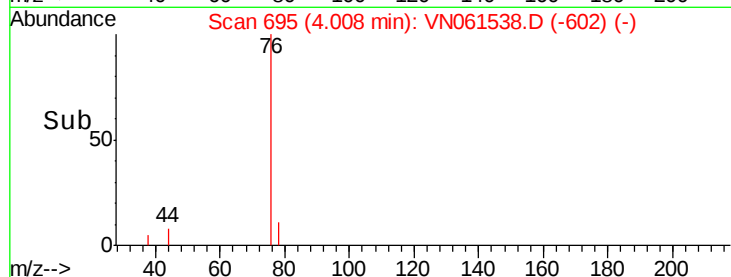
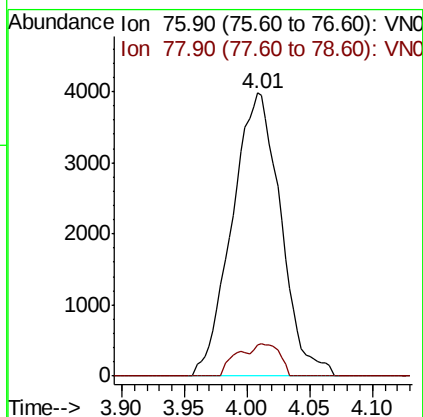
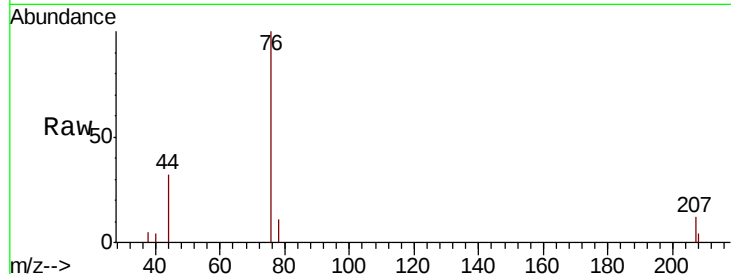




#17
Carbon Disulfide
Concen: 1.032 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

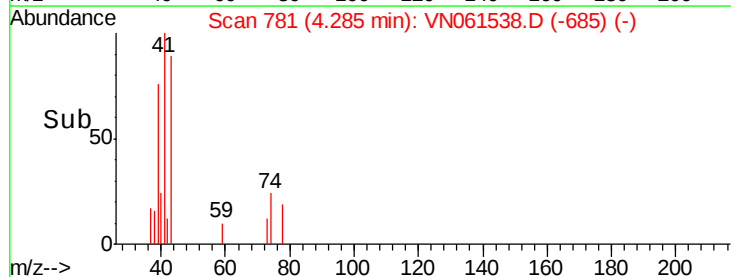
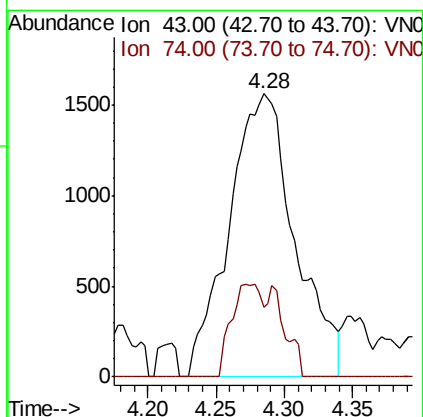
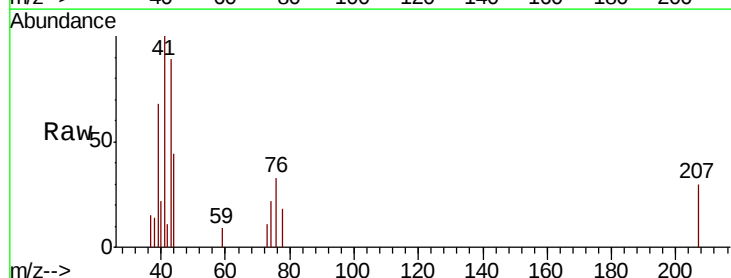
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

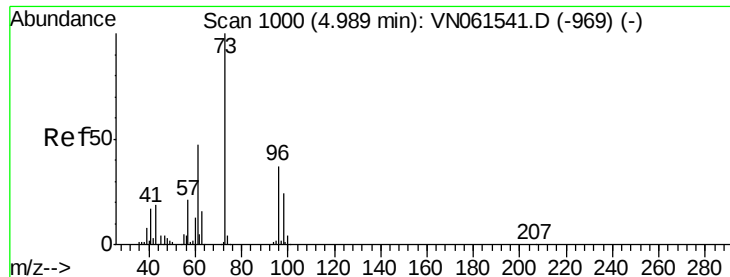
Tot Ion: 76 Resp: 10726
Ion Ratio Lower Upper
76 100
78 11.0 7.8 11.6



#18
Methyl Acetate
Concen: 1.108 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
74 15.1 23.2 34.8#



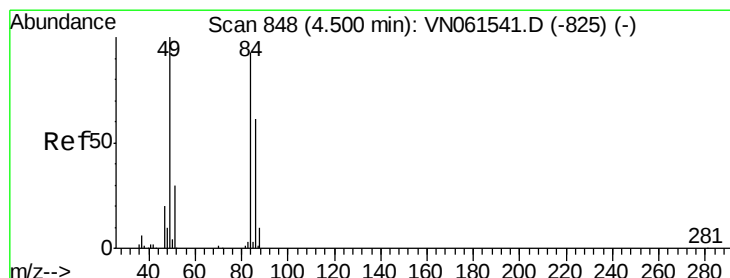
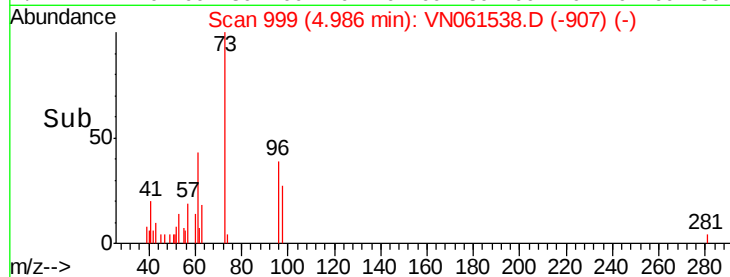
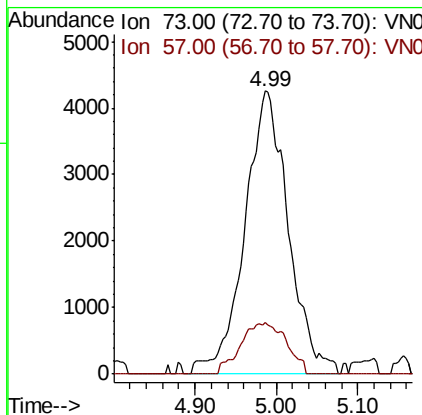
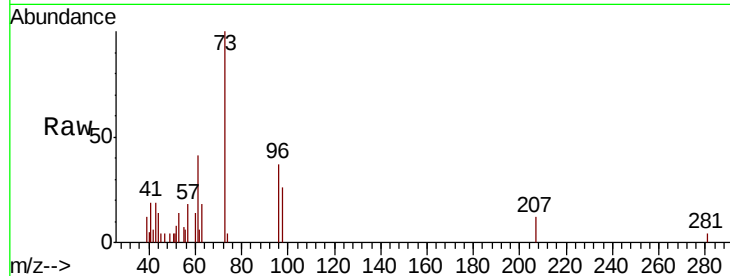


#19

Methyl tert-butyl Ether
 Concen: 1.002 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

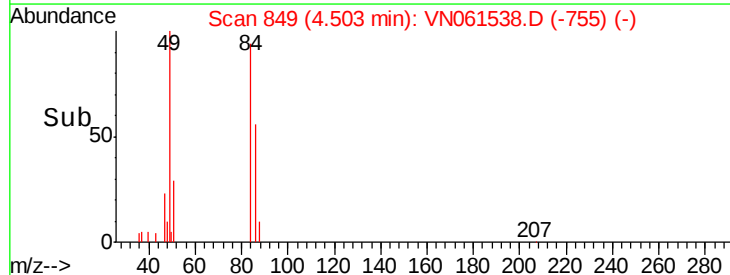
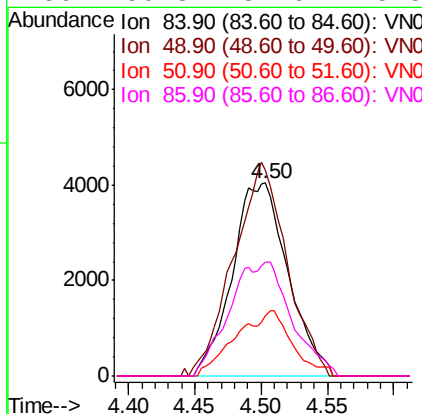
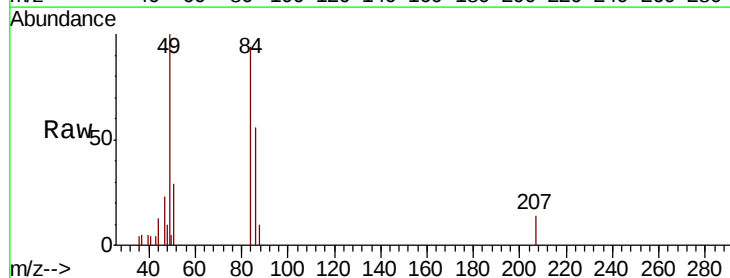
Tot Ion: 73 Resp: 15797
 Ion Ratio Lower Upper
 73 100
 57 18.2 16.4 24.6

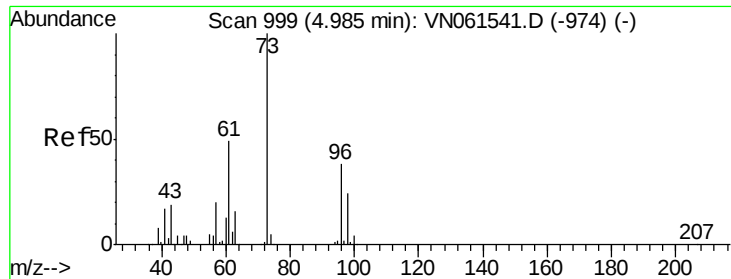


#20

Methylene Chloride
 Concen: 2.361 ug/l
 RT: 4.50 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 84 Resp: 11826
 Ion Ratio Lower Upper
 84 100
 49 106.4 85.8 128.8
 51 31.1 26.2 39.2
 86 59.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 1.126 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

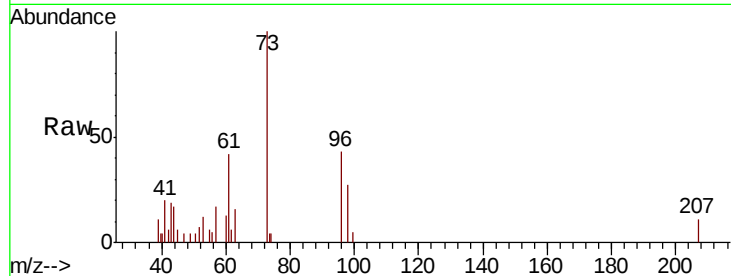
Tot Ion: 96 Resp: 5438

Ion Ratio Lower Upper

96 100

61 97.4 101.4 152.0#

98 62.3 50.6 76.0

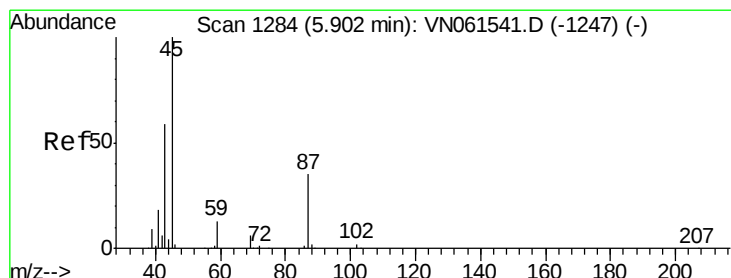
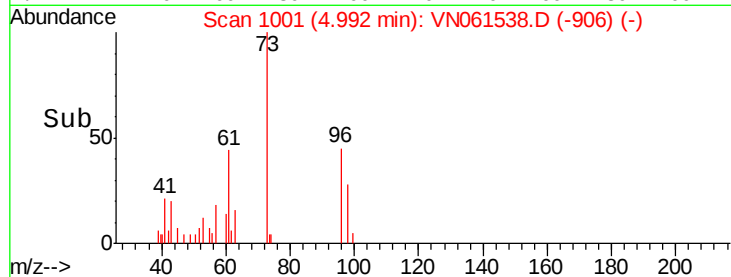
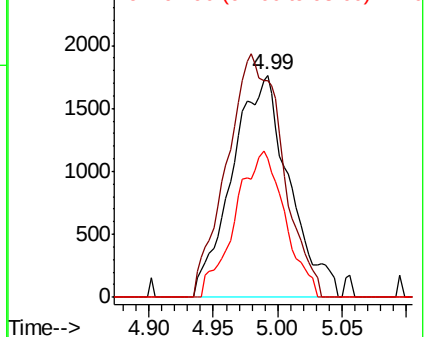


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.839 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion: 45 Resp: 12506

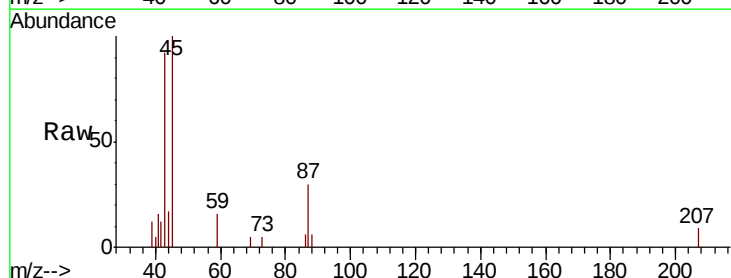
Ion Ratio Lower Upper

45 100

43 83.2 47.9 71.9#

87 30.3 28.4 42.6

59 15.9 10.5 15.7#



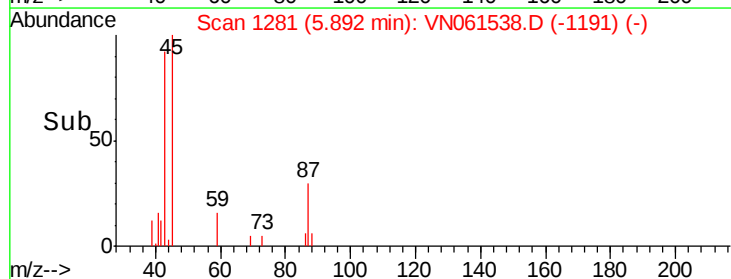
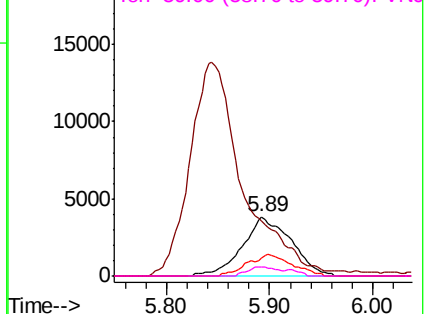
Abundance

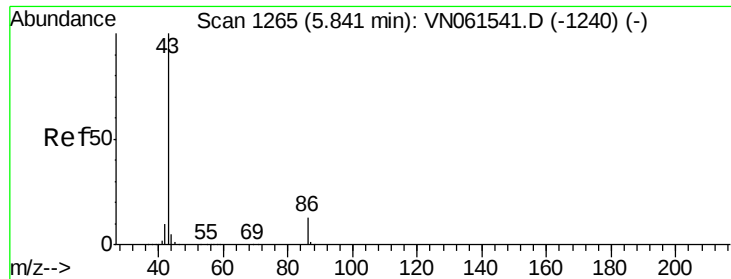
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 4.198 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

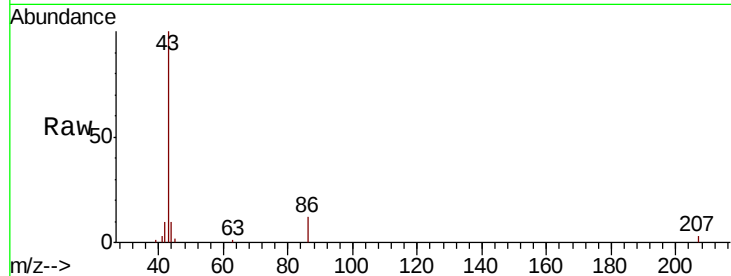
VSTDIC001

Tot Ion: 43 Resp: 49771

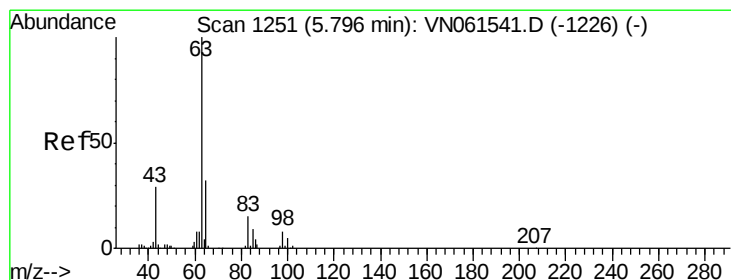
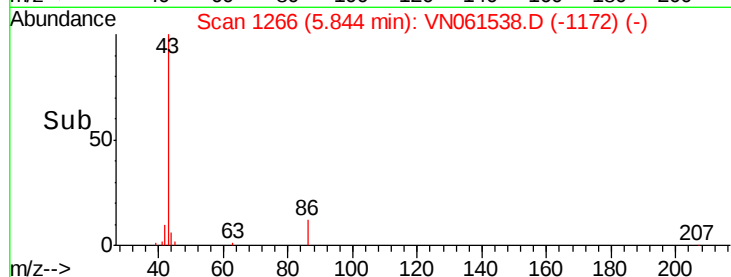
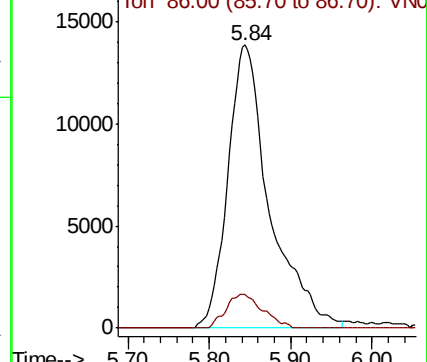
Ion Ratio Lower Upper

43 100

86 11.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN061538.D (-1172) (-)



#24

1,1-Dichloroethane

Concen: 0.940 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

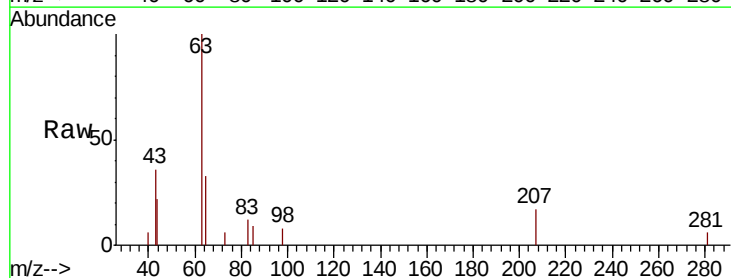
Tgt Ion: 63 Resp: 8250

Ion Ratio Lower Upper

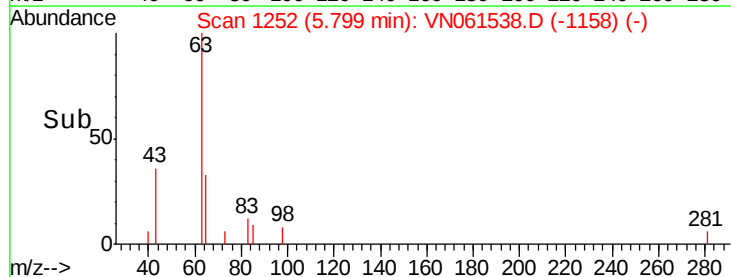
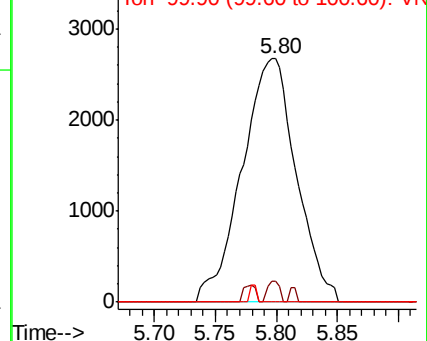
63 100

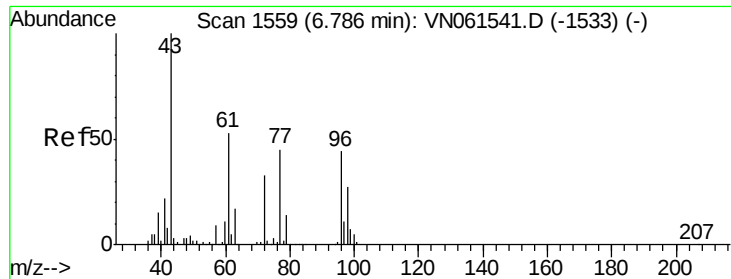
98 8.3 3.8 11.4

100 0.0 2.5 7.6#



Abundance Ion 62.90 (62.60 to 63.60): VN061538.D (-1158) (-)

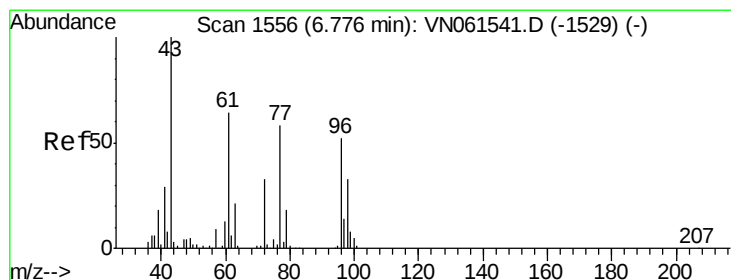
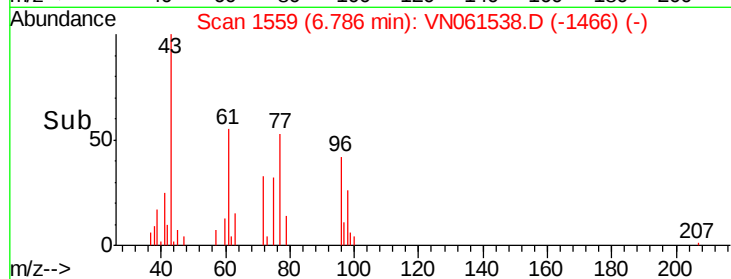
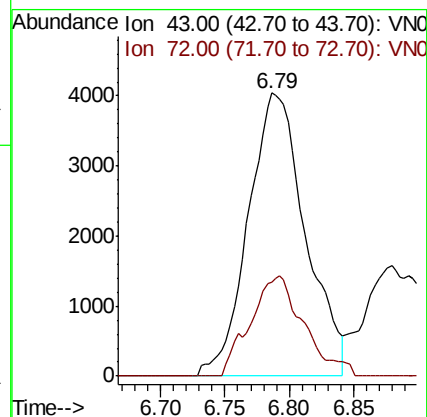
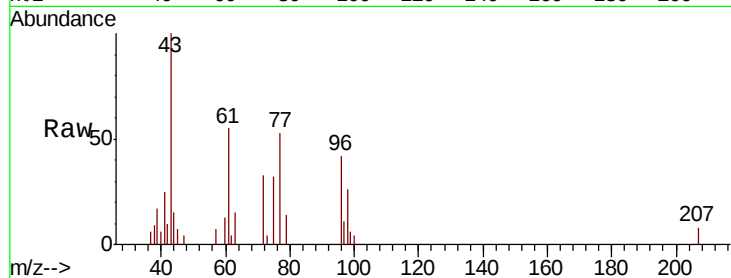




#25
2-Butanone
Concen: 4.573 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

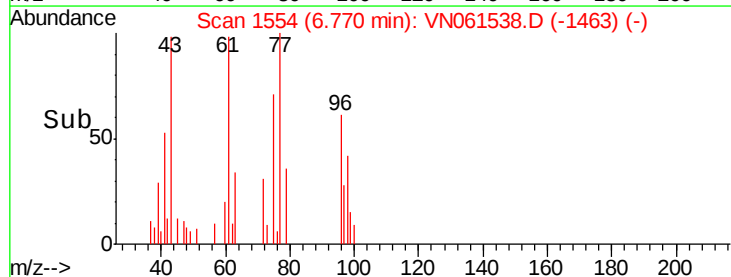
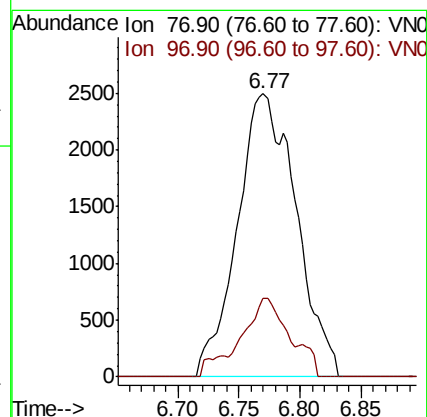
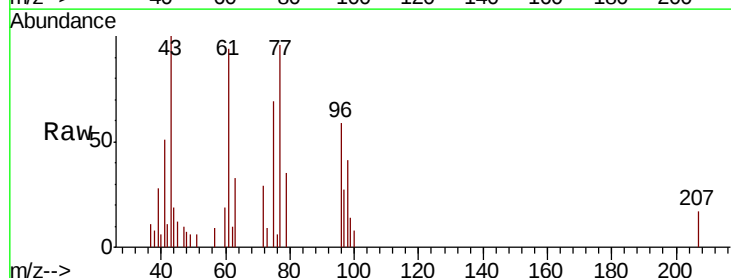
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

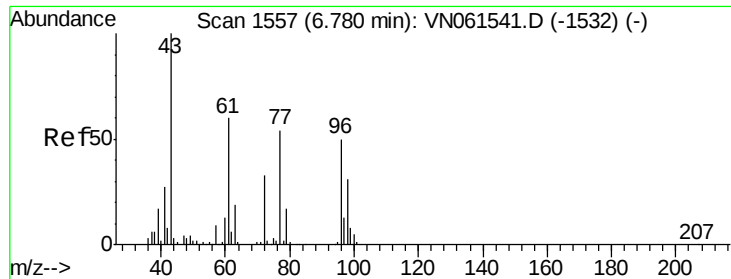
Tot Ion: 43 Resp: 12455
Ion Ratio Lower Upper
43 100
72 33.2 26.0 39.0



#26
2,2-Dichloropropane
Concen: 1.002 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 77 Resp: 8340
Ion Ratio Lower Upper
77 100
97 23.7 12.0 36.0

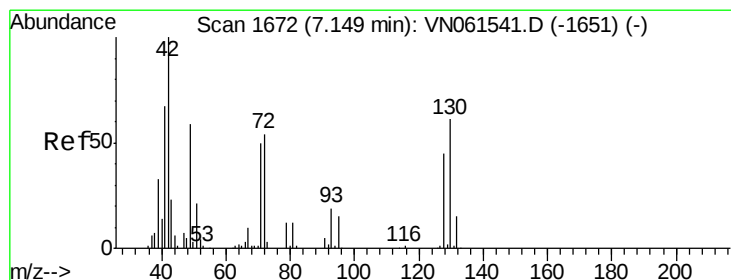
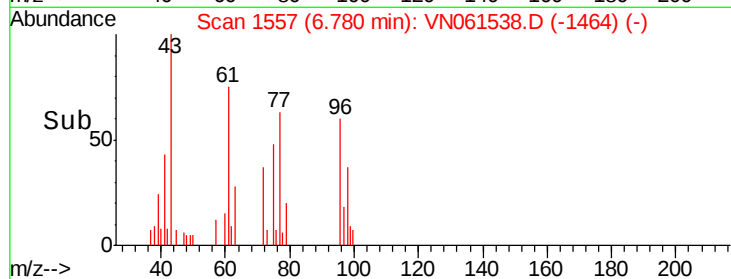
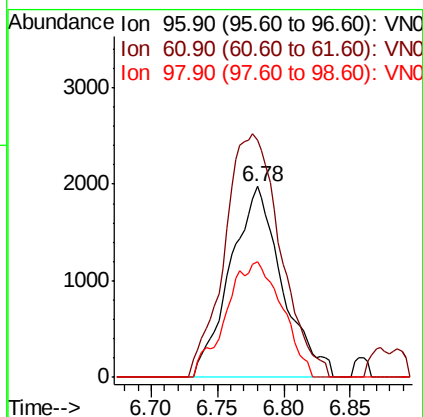
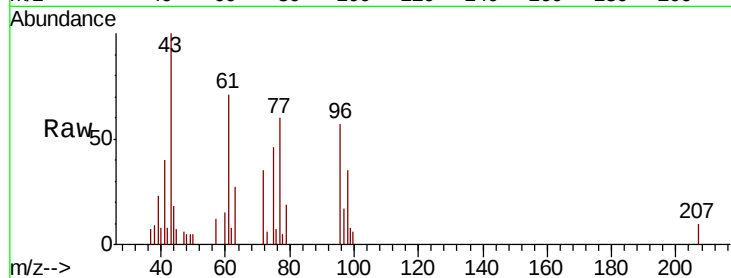




#27
 cis-1,2-Dichloroethene
 Concen: 0.948 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

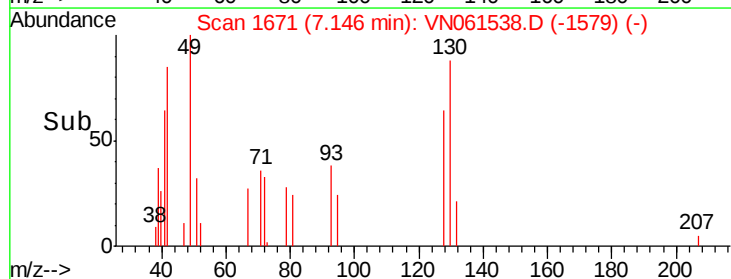
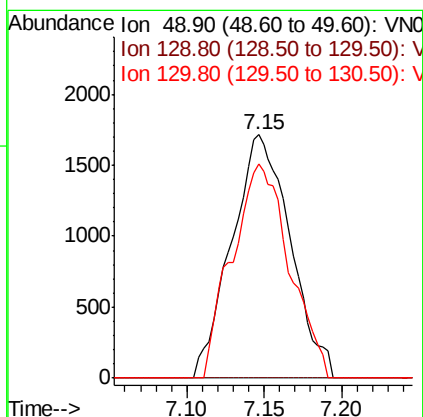
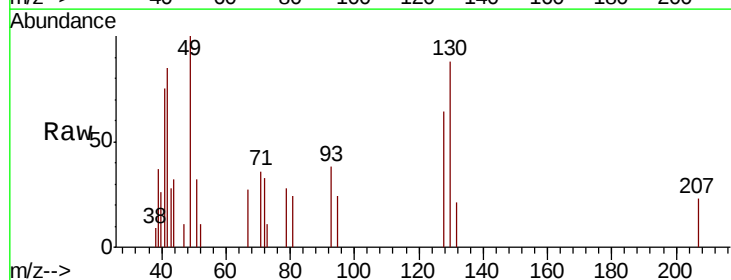
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

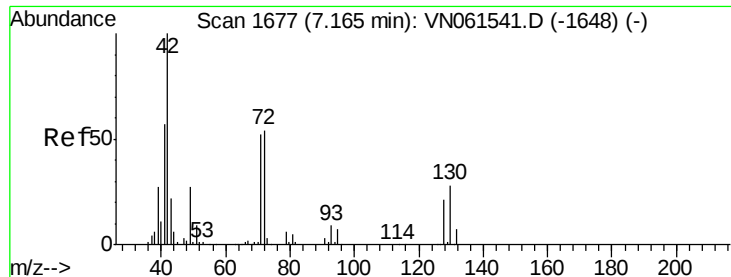
Tot Ion: 96 Resp: 5401
 Ion Ratio Lower Upper
 96 100
 61 136.9 0.0 252.2
 98 64.9 0.0 129.2



#28
 Bromochloromethane
 Concen: 1.245 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 49 Resp: 4519
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 86.4 78.8 118.2

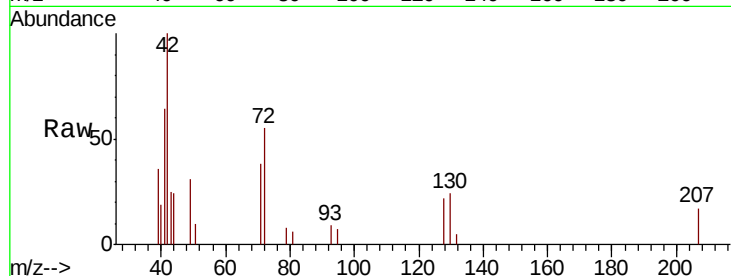




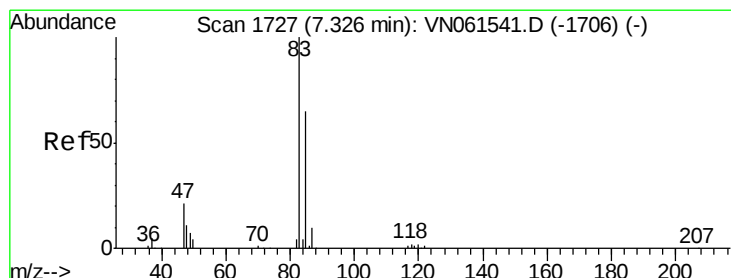
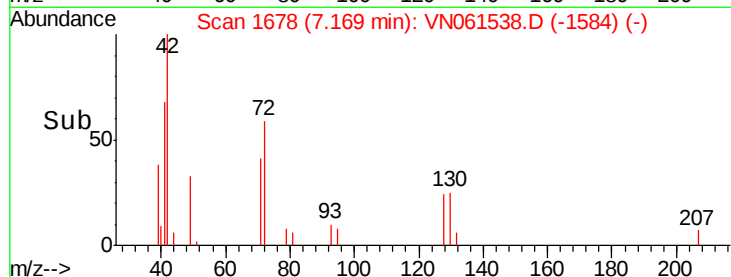
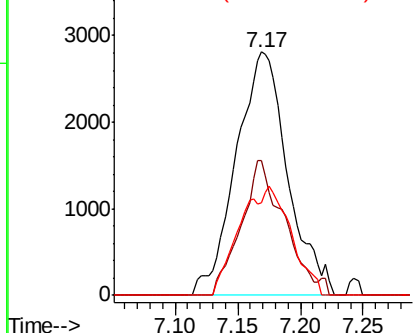
#29
Tetrahydrofuran
Concen: 4.468 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 42 Resp: 8059
Ion Ratio Lower Upper
42 100
72 47.2 43.6 65.4
71 18.4 41.2 61.8#

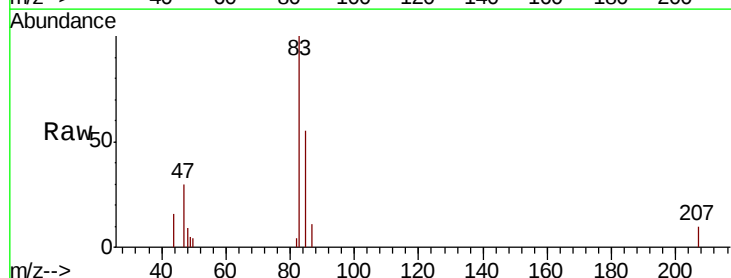


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

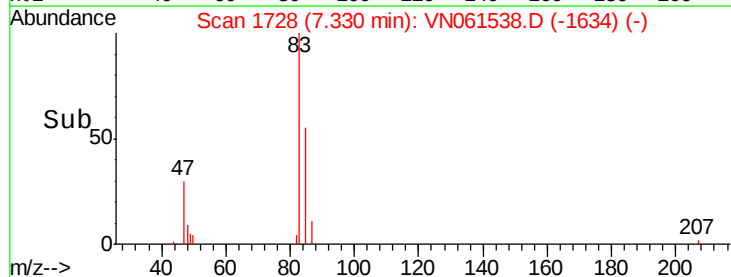
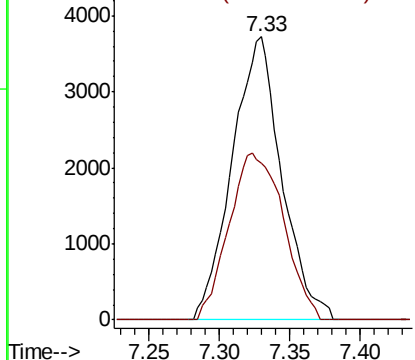


#30
Chloroform
Concen: 0.991 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 83 Resp: 9139
Ion Ratio Lower Upper
83 100
85 55.3 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.650 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

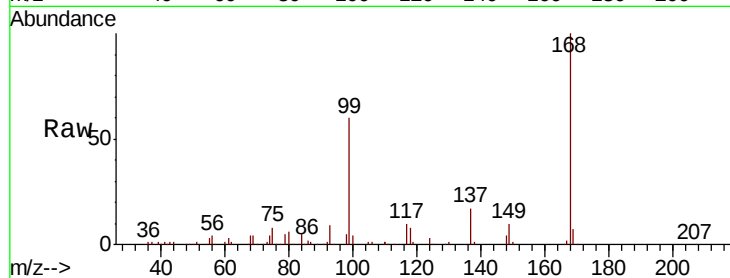
Tot Ion: 56 Resp: 13770

Ion Ratio Lower Upper

56 100

69 114.4 27.8 41.8#

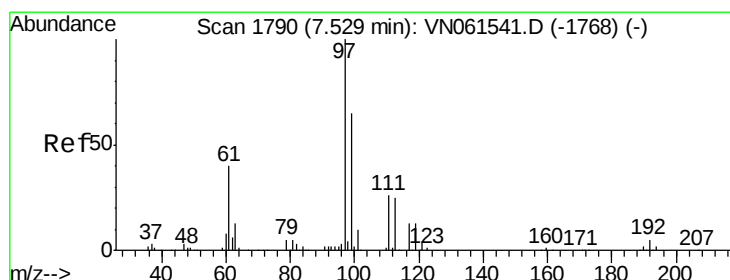
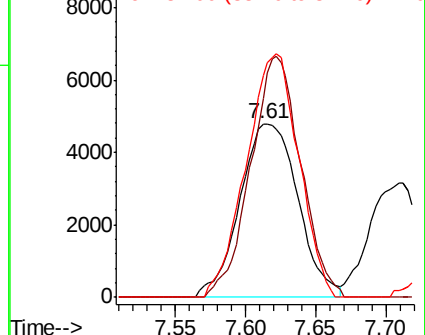
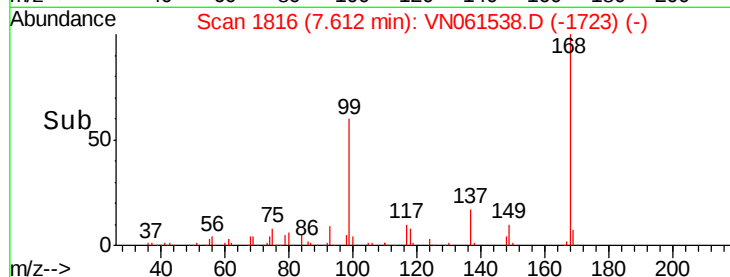
84 127.8 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061538.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061538.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061538.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 0.969 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

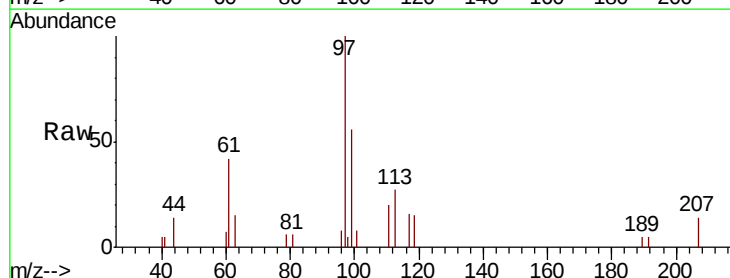
Tgt Ion: 97 Resp: 8177

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

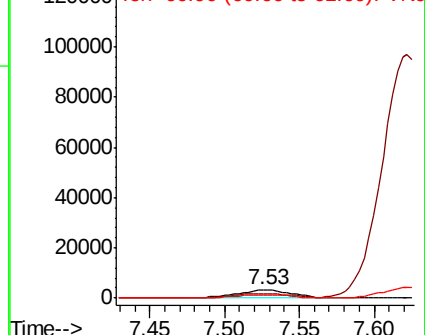
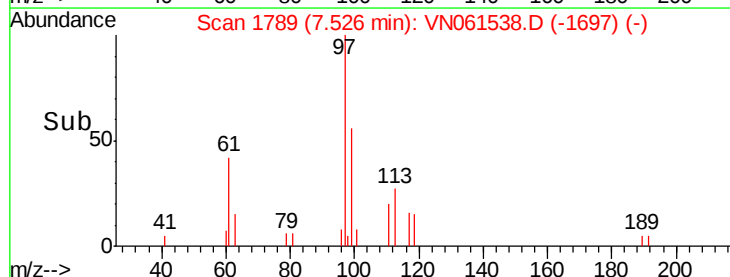
61 42.3 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061538.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061538.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061538.D (-1697) (-)

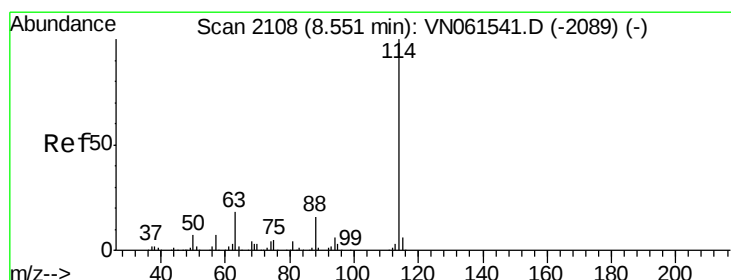
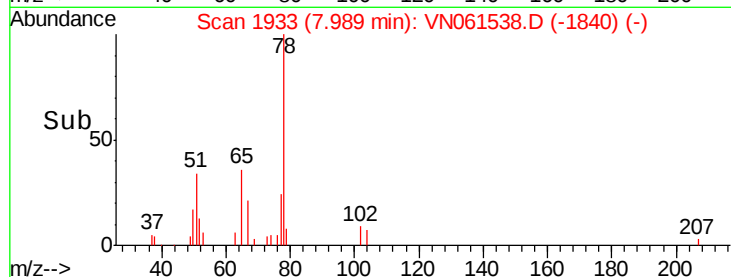
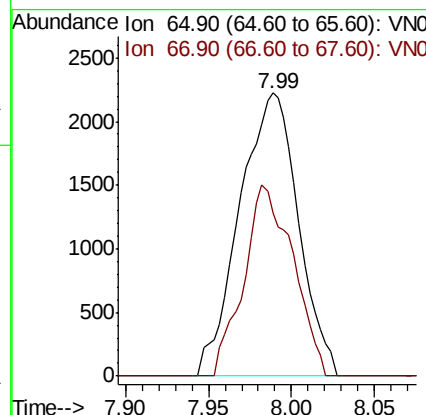
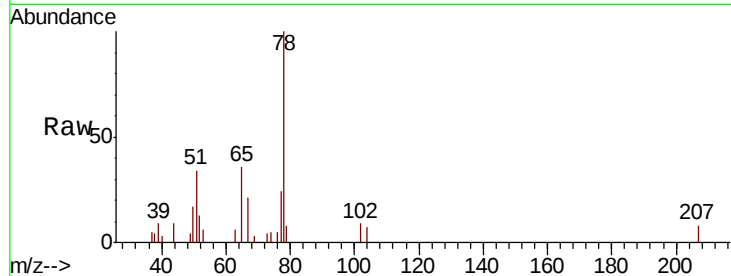




#33
 1,2-Dichloroethane-d4
 Concen: 0.916 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

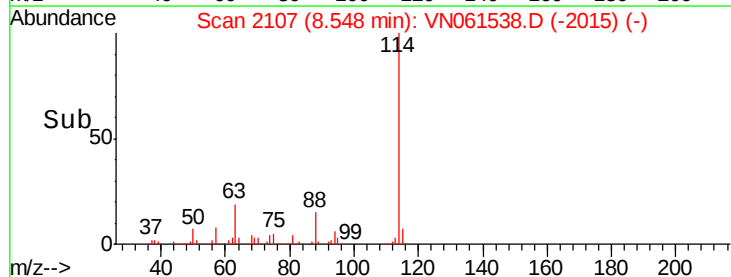
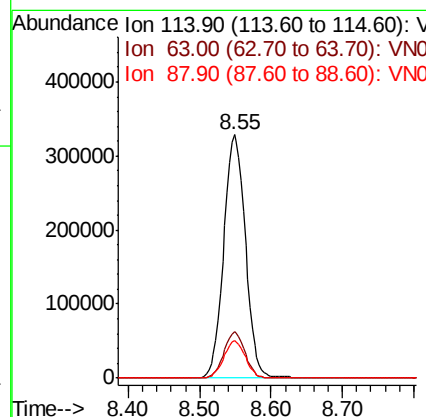
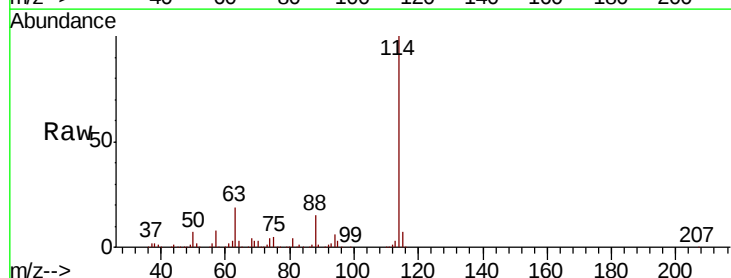
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 65 Resp: 5481
 Ion Ratio Lower Upper
 65 100
 67 56.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 114 Resp: 695831
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.8
 88 15.3 0.0 31.0

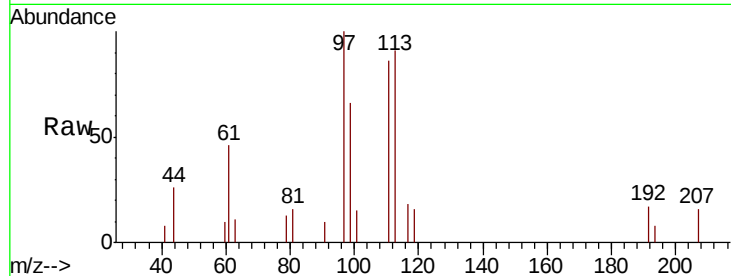




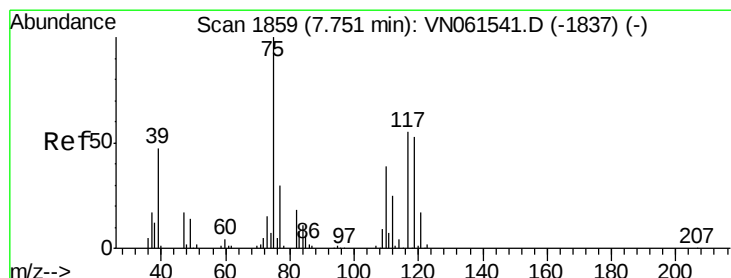
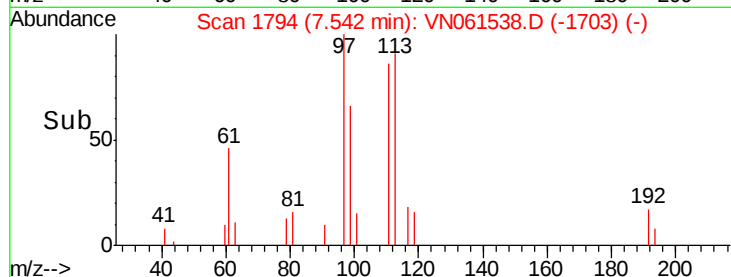
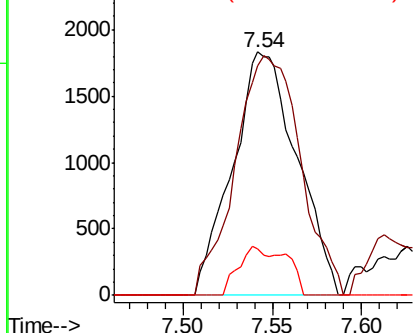
#35
 Dibromofluoromethane
 Concen: 1.256 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:113 Resp: 4601
 Ion Ratio Lower Upper
 113 100
 111 100.3 83.4 125.0
 192 9.2 15.4 23.2#

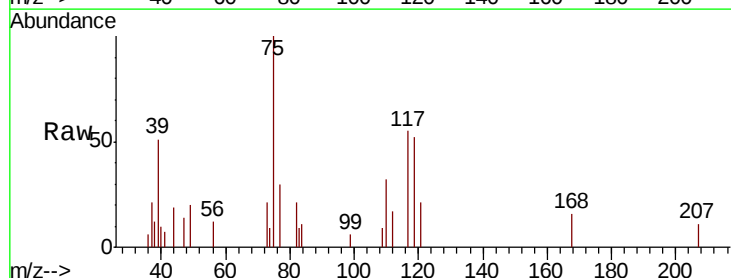


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

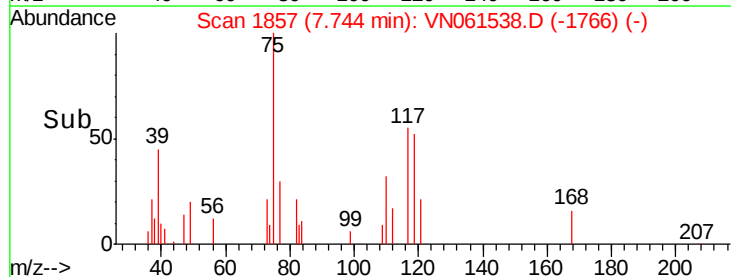
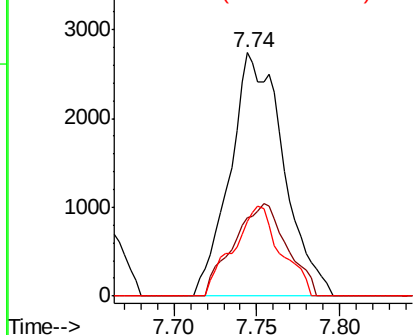


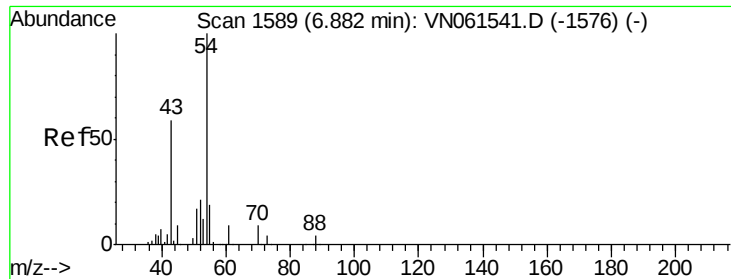
#36
 1,1-Dichloropropene
 Concen: 0.959 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 75 Resp: 6149
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.5 58.5
 77 32.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

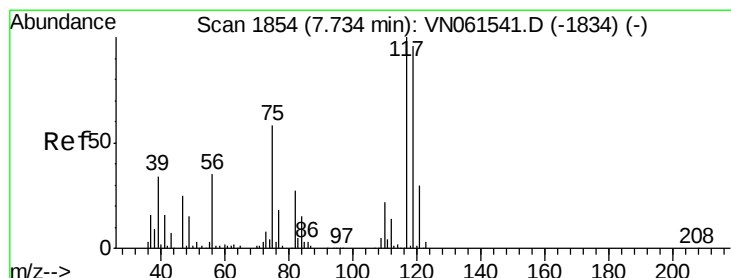
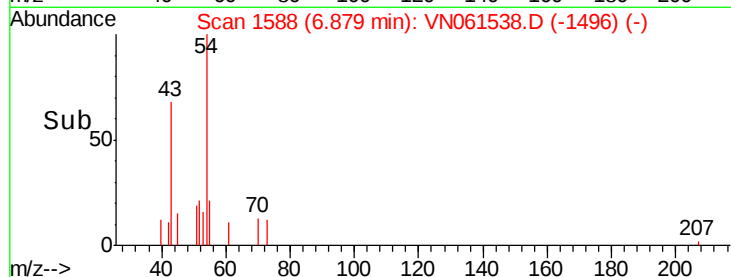
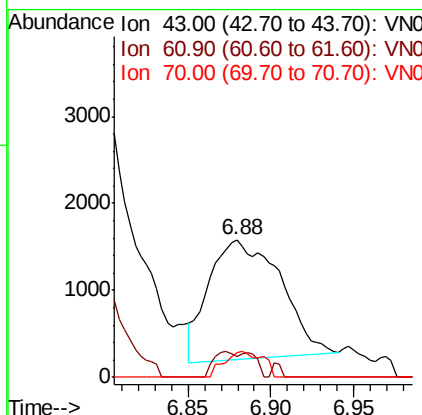
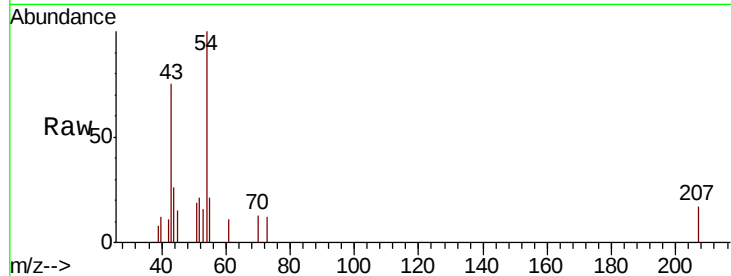




#37
Ethyl Acetate
Concen: 0.713 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

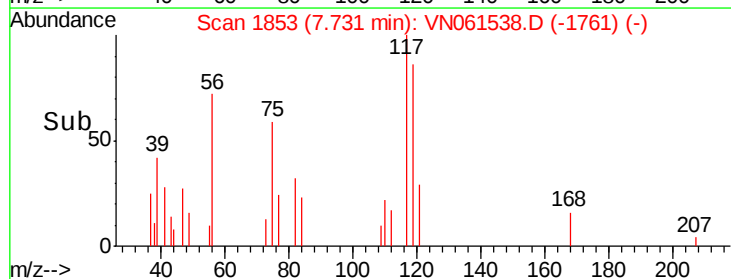
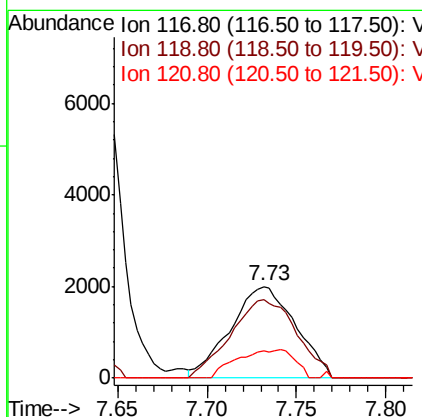
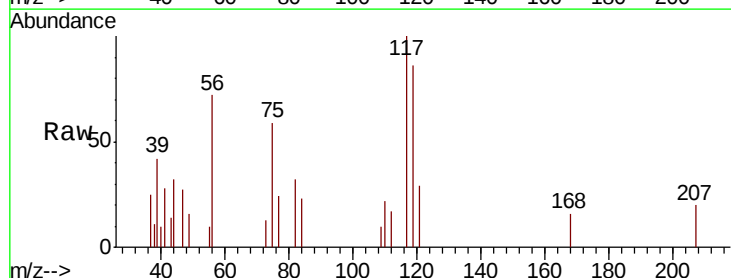
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

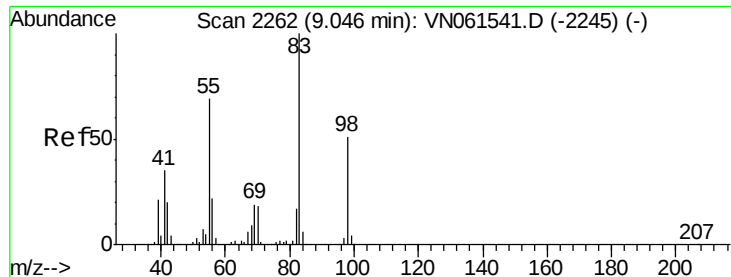
Tot Ion: 43 Resp: 4137
Ion Ratio Lower Upper
43 100
61 7.0 12.2 18.4#
70 11.5 9.4 14.2



#38
Carbon Tetrachloride
Concen: 0.854 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 117 Resp: 5066
Ion Ratio Lower Upper
117 100
119 85.9 76.5 114.7
121 29.4 24.1 36.1

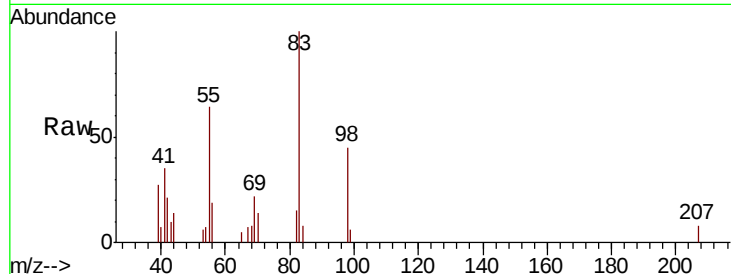




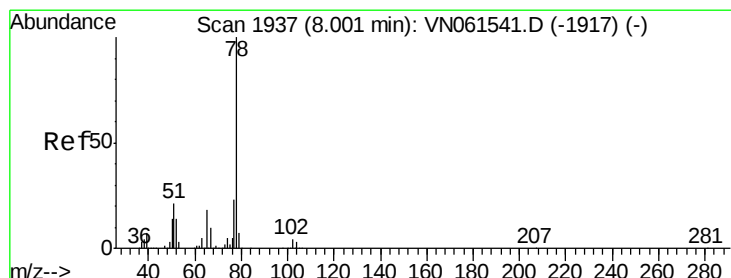
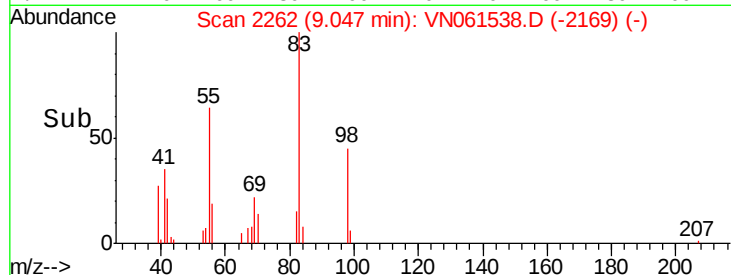
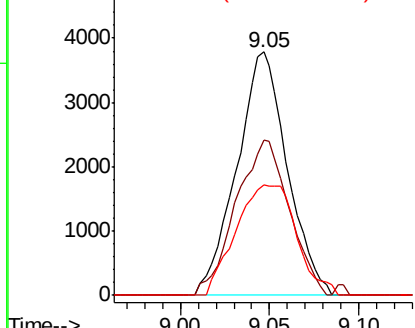
#39
Methvlcvclohexane
Concen: 0.951 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 7467
Ion Ratio Lower Upper
83 100
55 63.7 54.9 82.3
98 45.1 41.0 61.4

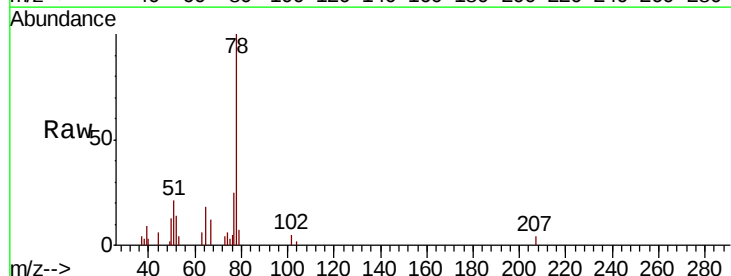


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

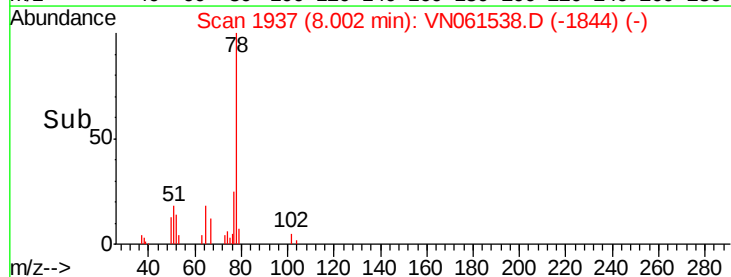
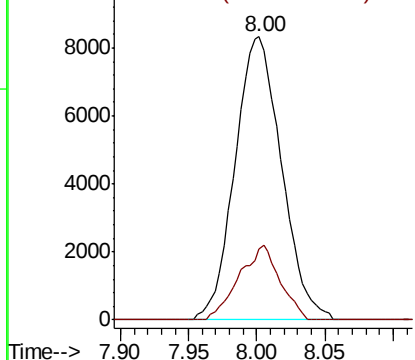


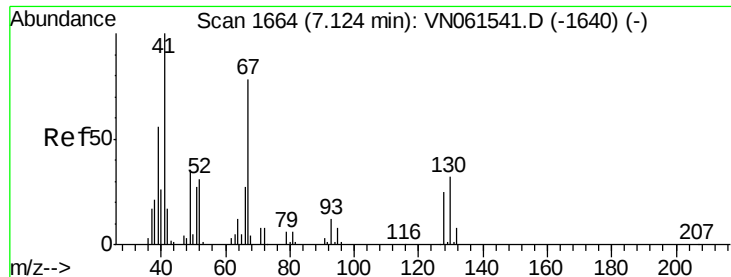
#40
Benzene
Concen: 1.018 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 78 Resp: 19700
Ion Ratio Lower Upper
78 100
77 24.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

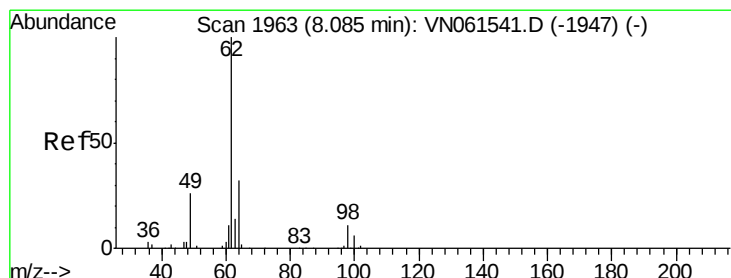
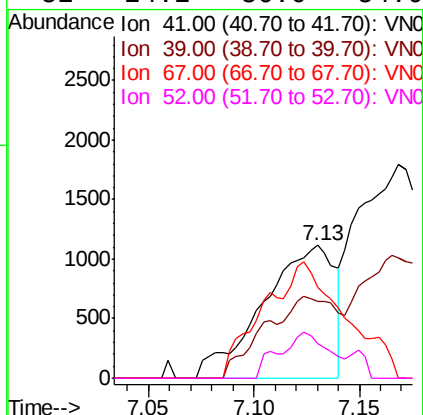
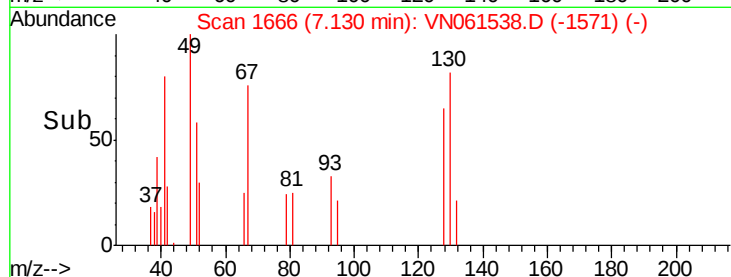
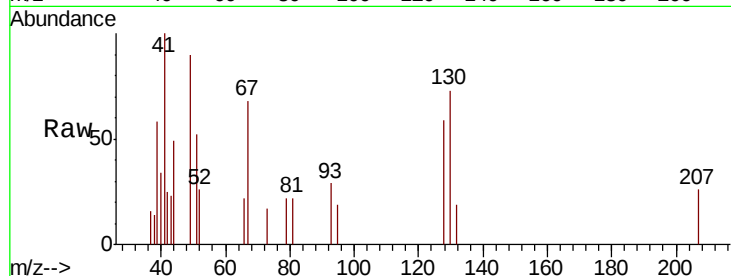




#41
Methacrylonitrile
Concen: 1.108 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

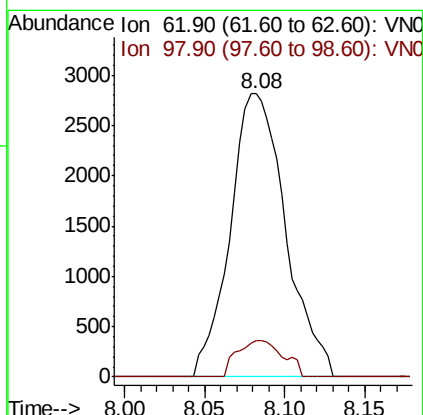
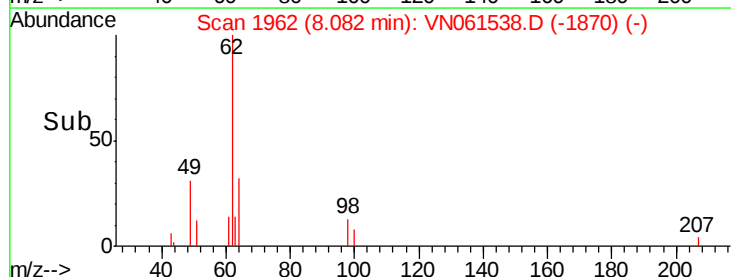
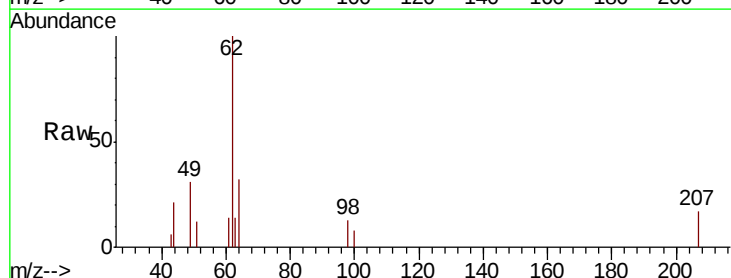
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

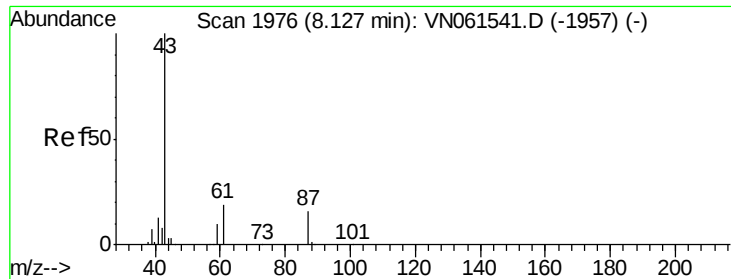
Tot Ion: 41 Resp: 2642
Ion Ratio Lower Upper
41 100
39 62.9 53.8 80.6
67 99.6 91.1 136.7
52 24.2 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 0.969 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 62 Resp: 6686
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.4





#43

Isopropyl Acetate

Concen: 0.897 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

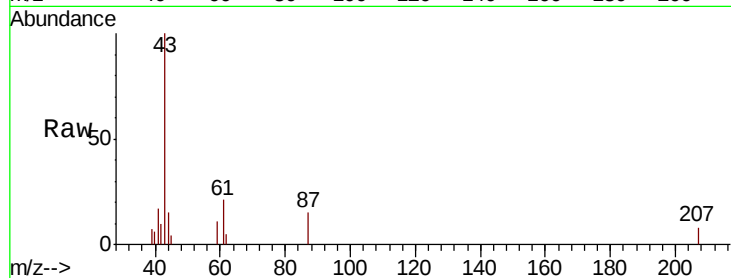
Tot Ion: 43 Resp: 9009

Ion Ratio Lower Upper

43 100

61 17.6 23.6 35.4#

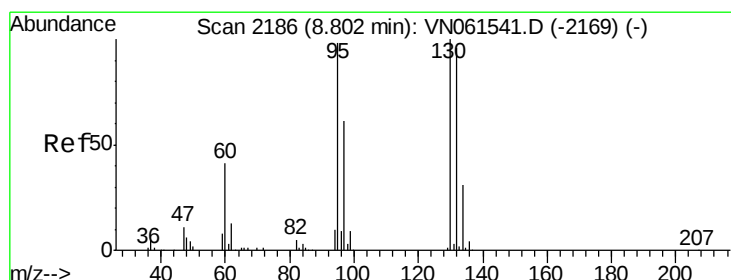
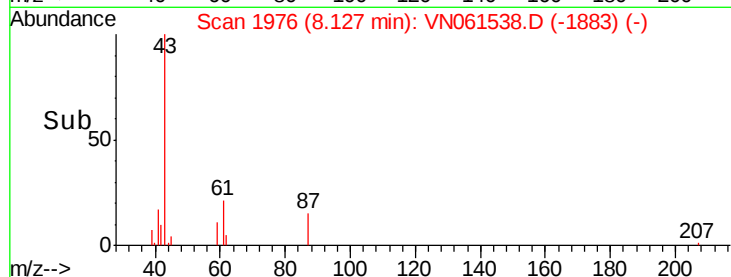
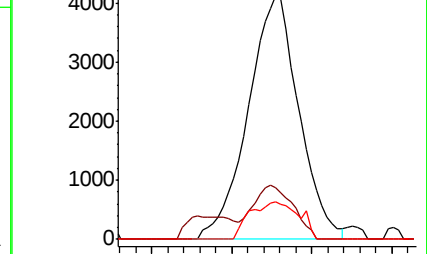
87 14.9 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061538.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061538.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061538.D (-1957) (-)



#44

Trichloroethene

Concen: 1.104 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061538.D

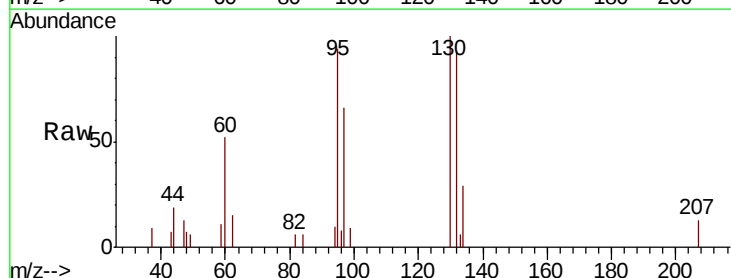
Acq: 28 May 2020 17:45

Tgt Ion: 130 Resp: 5781

Ion Ratio Lower Upper

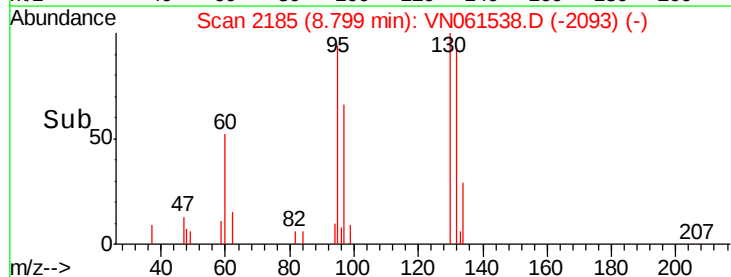
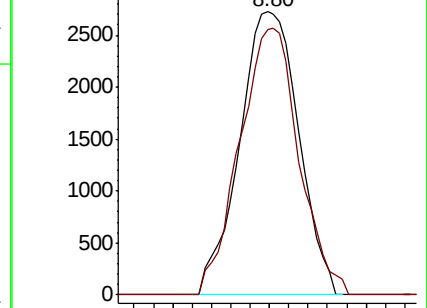
130 100

95 93.6 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061538.D (-2169) (-)

Ion 94.90 (94.60 to 95.60): VN061538.D (-2169) (-)





#45

1,2-Dichloropropane

Concen: 0.920 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

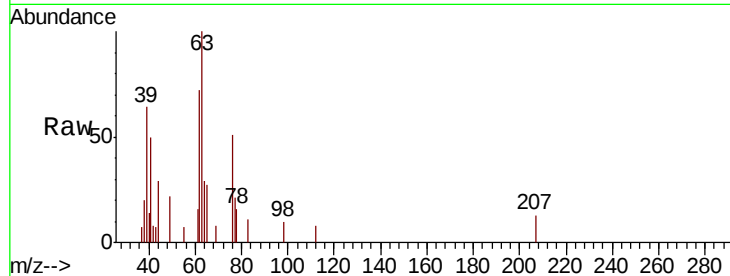
VSTDIC001

Tot Ion: 63 Resp: 4422

Ion Ratio Lower Upper

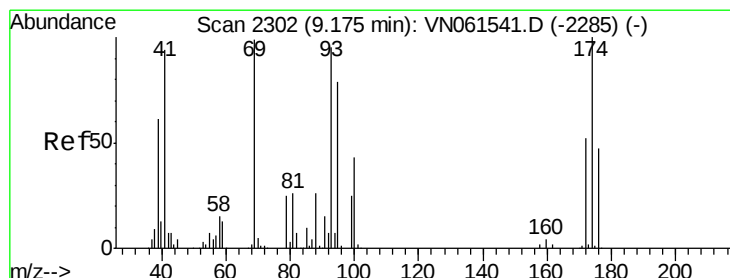
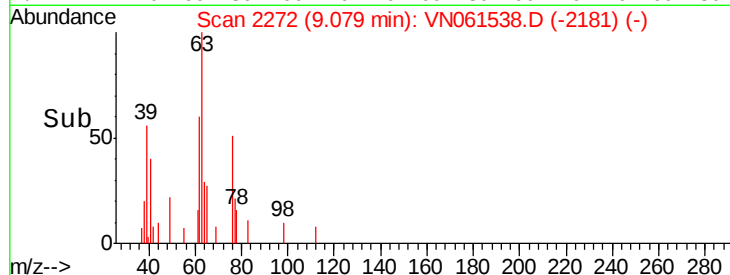
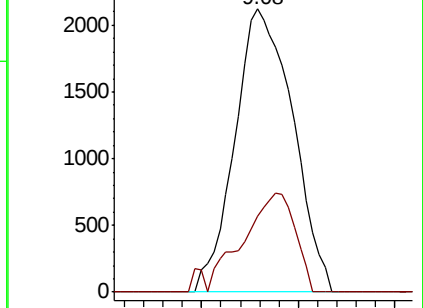
63 100

65 26.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN061538.D (-2272) (-)

Ion 64.90 (64.60 to 65.60): VN061538.D (-2272) (-)



#46

Dibromomethane

Concen: 1.108 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

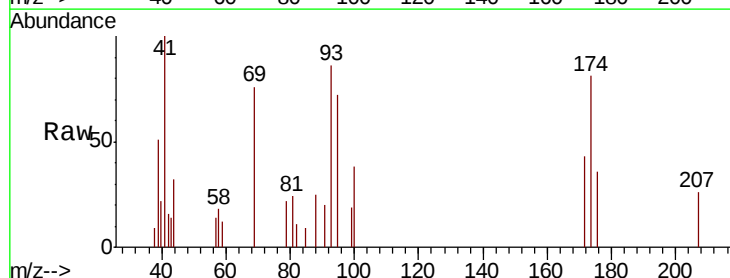
Tgt Ion: 93 Resp: 3788

Ion Ratio Lower Upper

93 100

95 76.7 66.0 99.0

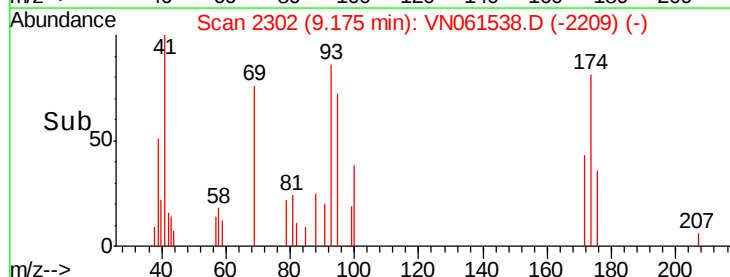
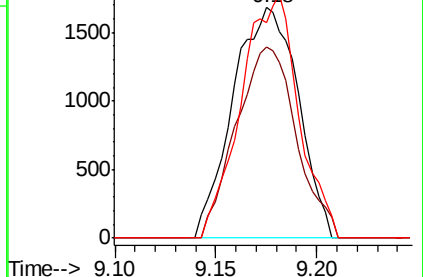
174 93.2 82.5 123.7



Abundance Ion 92.80 (92.50 to 93.50): VN061538.D (-2302) (-)

Ion 94.80 (94.50 to 95.50): VN061538.D (-2302) (-)

Ion 173.70 (173.40 to 174.40): VN061538.D (-2302) (-)





#47

Bromodichloromethane

Concen: 0.905 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

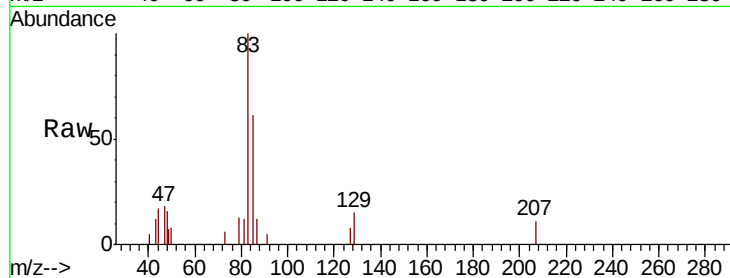
Tot Ion: 83 Resp: 6451

Ion Ratio Lower Upper

83 100

85 60.7 51.1 76.7

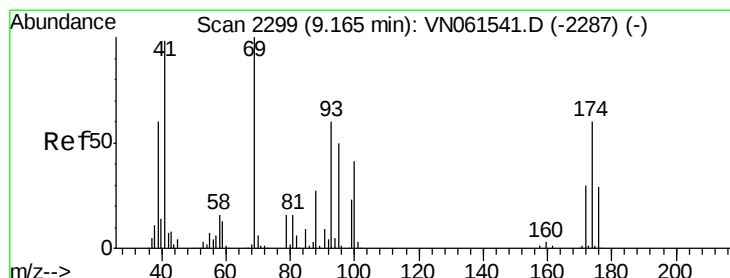
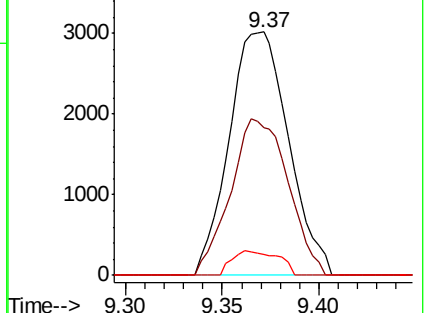
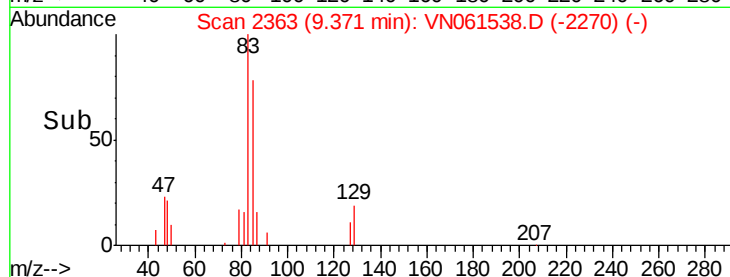
127 8.3 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061538.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061538.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061538.D (-2270) (-)



#48

Methyl methacrylate

Concen: 0.997 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

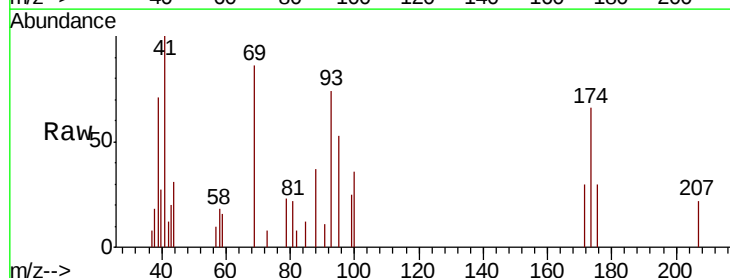
Tgt Ion: 41 Resp: 4599

Ion Ratio Lower Upper

41 100

69 75.4 83.9 125.9#

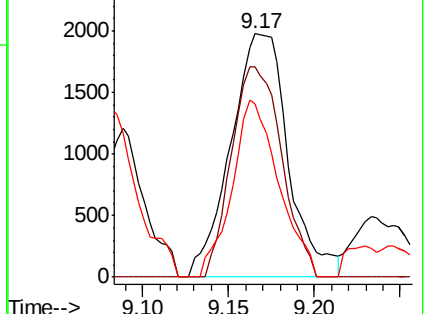
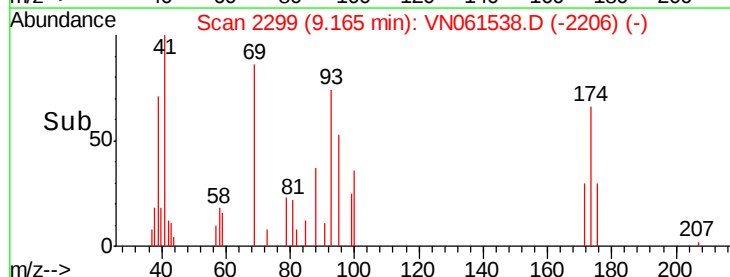
39 59.0 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061538.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061538.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061538.D (-2206) (-)

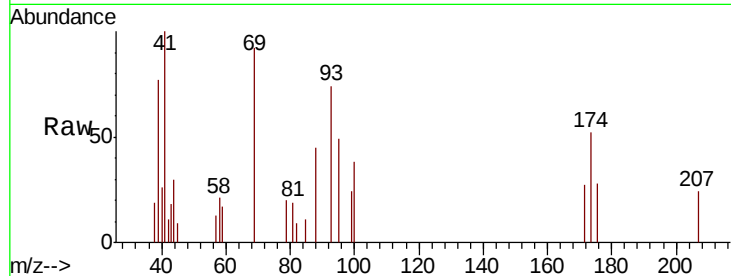




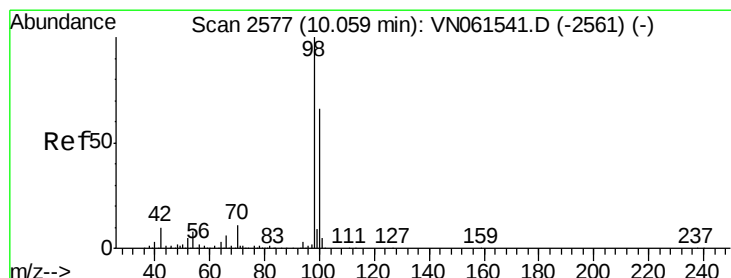
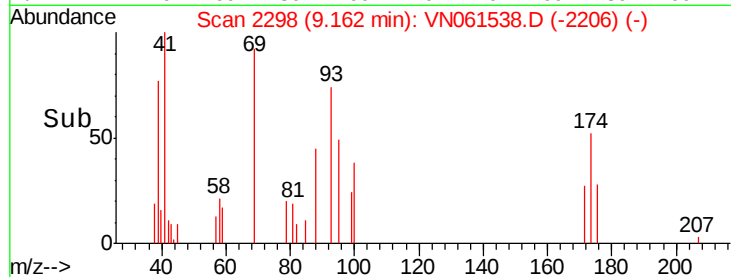
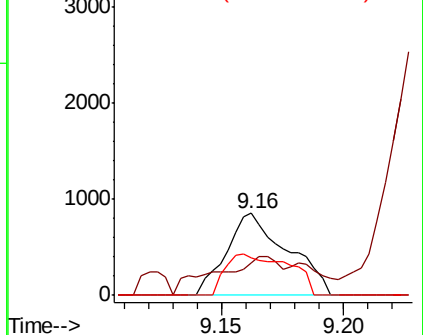
#49
 1,4-Dioxane
 Concen: 25.530 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 88 Resp: 1474
 Ion Ratio Lower Upper
 88 100
 43 49.7 23.1 34.7#
 58 52.9 48.3 72.5

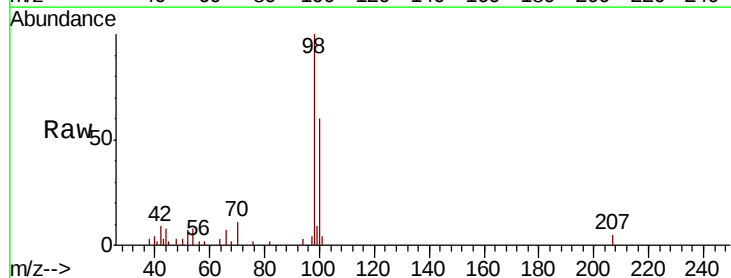


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

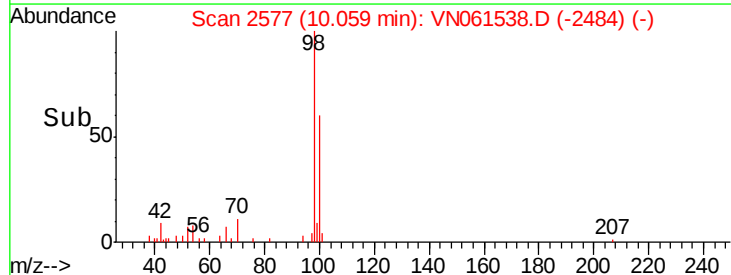
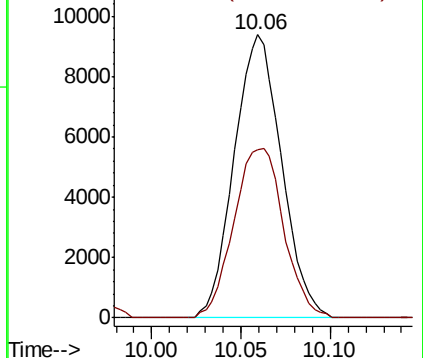


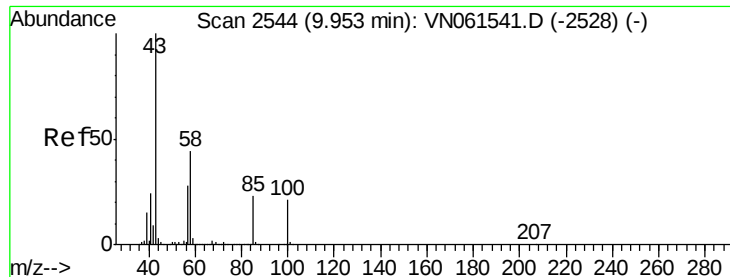
#50
 Toluene-d8
 Concen: 1.022 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 98 Resp: 17322
 Ion Ratio Lower Upper
 98 100
 100 63.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 4.504 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

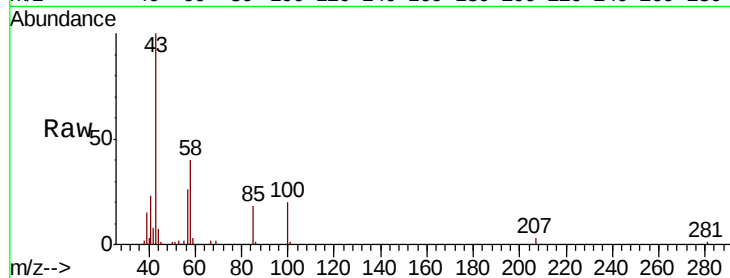
VSTDIC001

Tot Ion: 43 Resp: 24680

Ion Ratio Lower Upper

43 100

58 40.8 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.95

15000

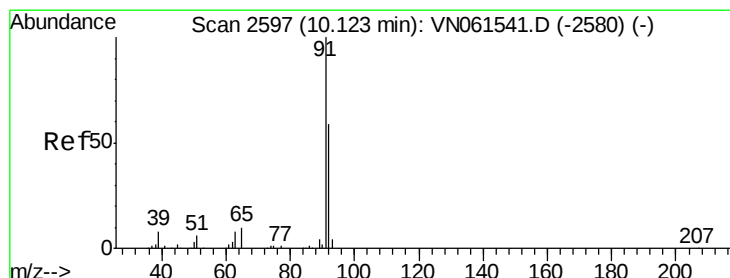
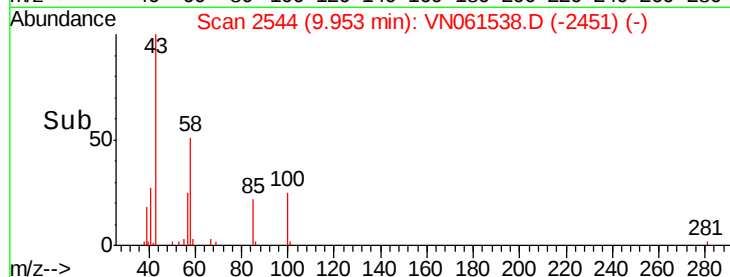
10000

5000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 0.972 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061538.D

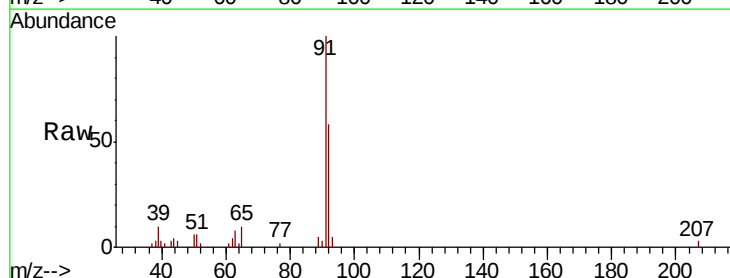
Acq: 28 May 2020 17:45

Tgt Ion: 92 Resp: 12126

Ion Ratio Lower Upper

92 100

91 169.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.12

12000

10000

8000

6000

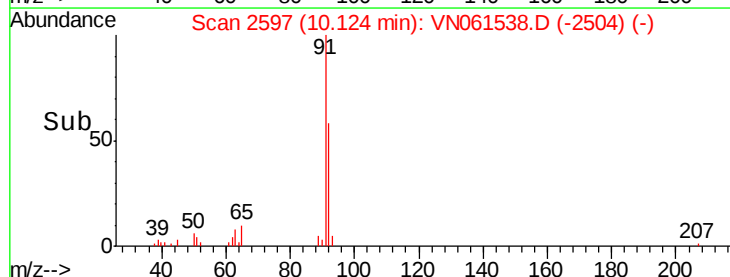
4000

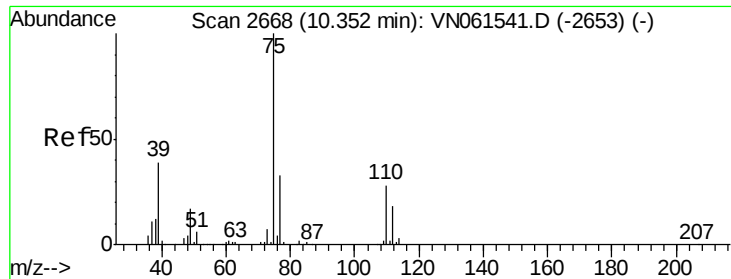
2000

0

10.05 10.10 10.15

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.908 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

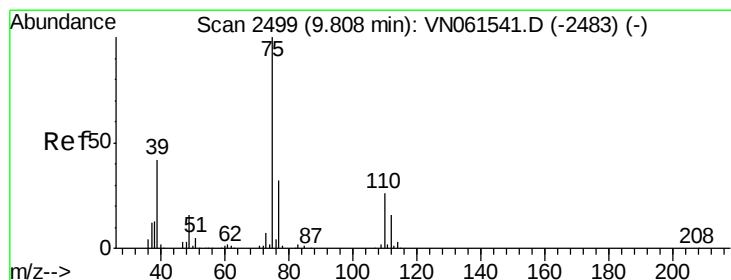
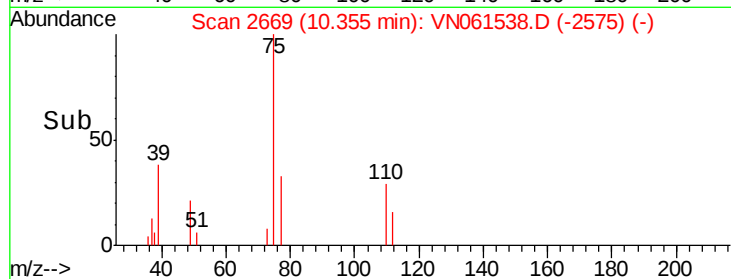
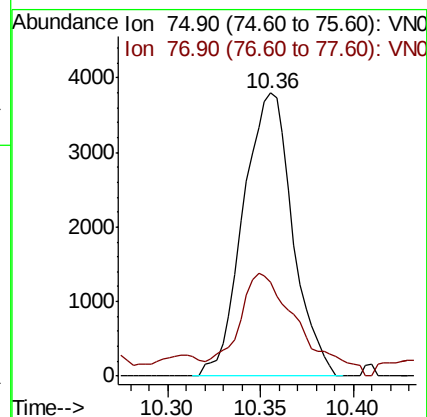
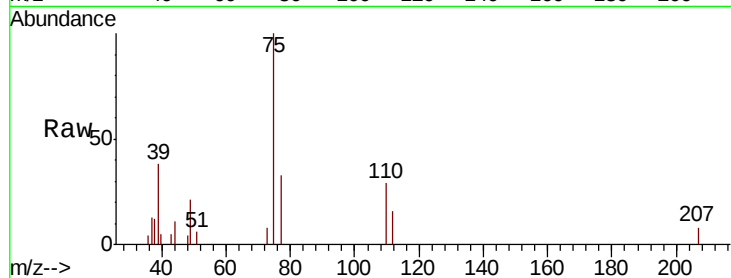
VSTDIC001

Tot Ion: 75 Resp: 7062

Ion Ratio Lower Upper

75 100

77 27.4 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 0.926 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

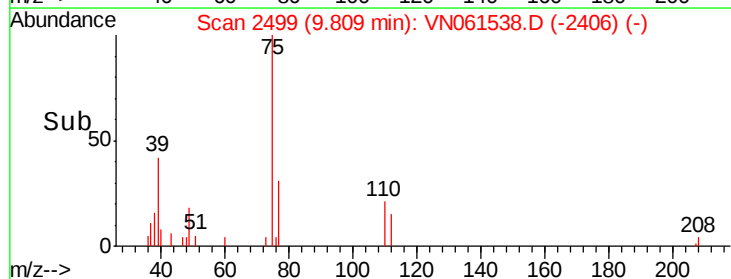
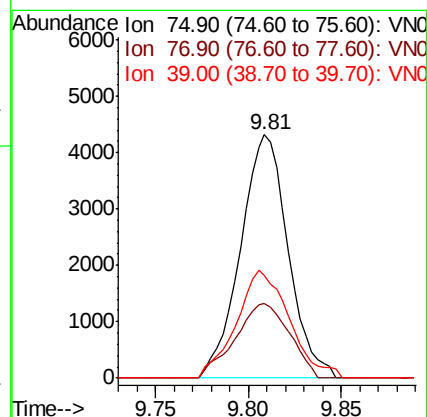
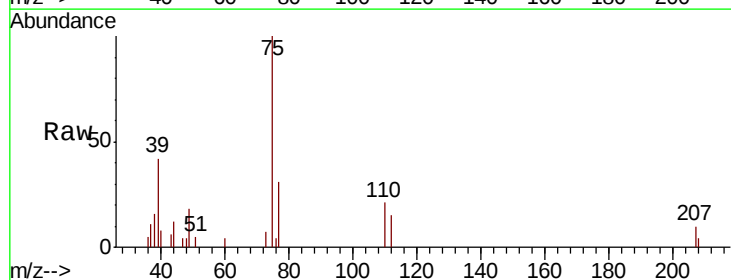
Tgt Ion: 75 Resp: 7698

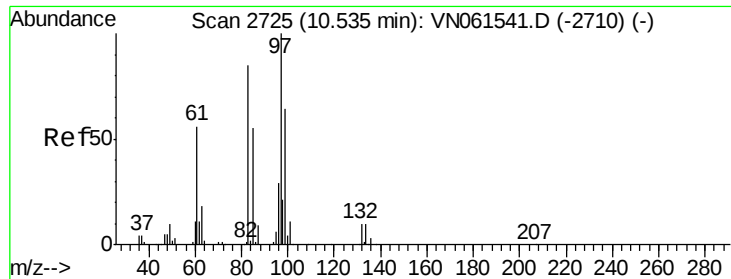
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2

39 42.2 33.8 50.6

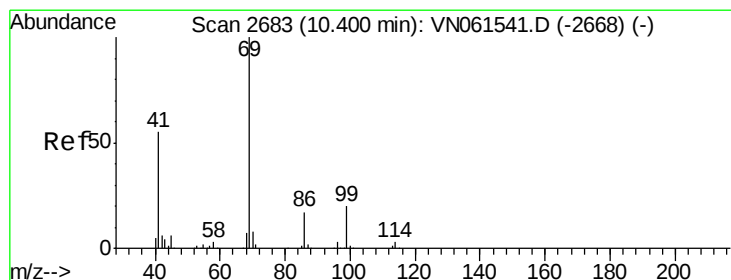
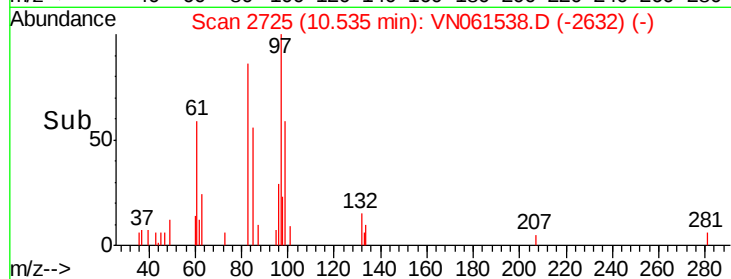
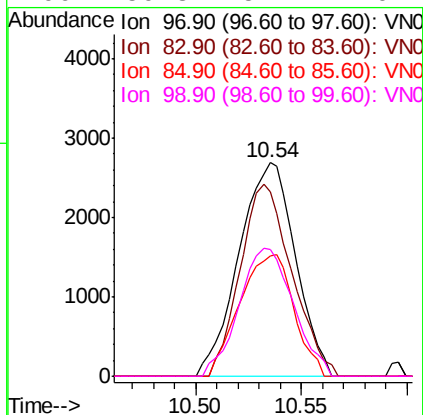
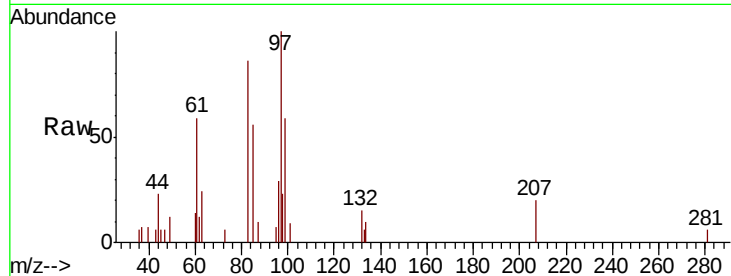




#55
 1,1,2-Trichloroethane
 Concen: 1.055 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

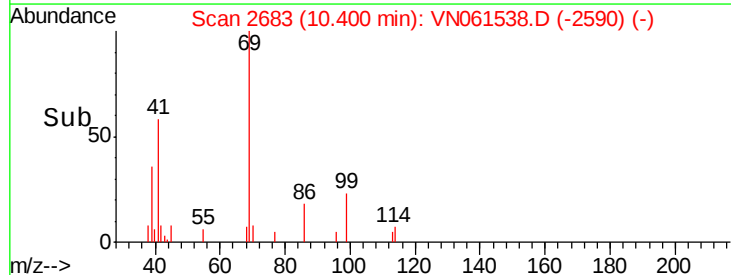
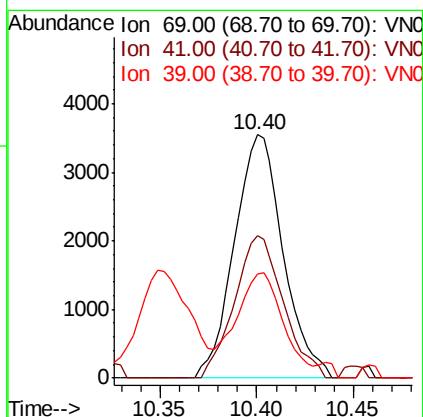
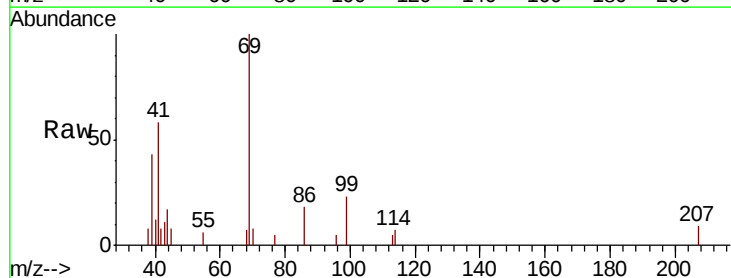
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

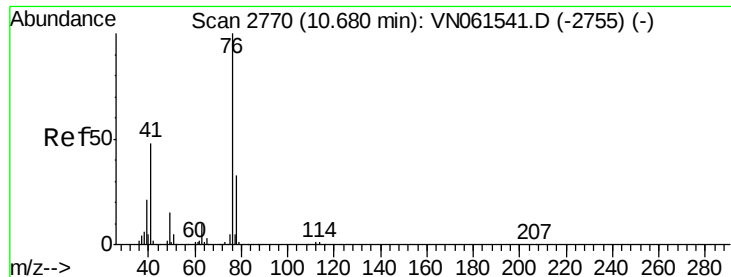
Tot Ion:	97	Resp:	4990
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.1	102.1
85	56.4	44.1	66.1
99	59.3	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 0.848 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion:	69	Resp:	6198
Ion	Ratio	Lower	Upper
69	100		
41	58.6	43.5	65.3
39	35.6	27.0	40.6





#57

1,3-Dichloropropane

Concen: 0.978 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

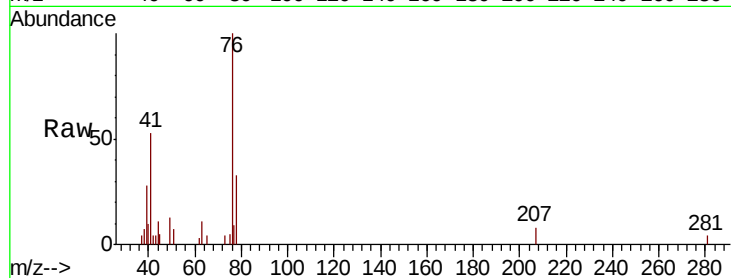
VSTDIC001

Tot Ion: 76 Resp: 7915

Ion Ratio Lower Upper

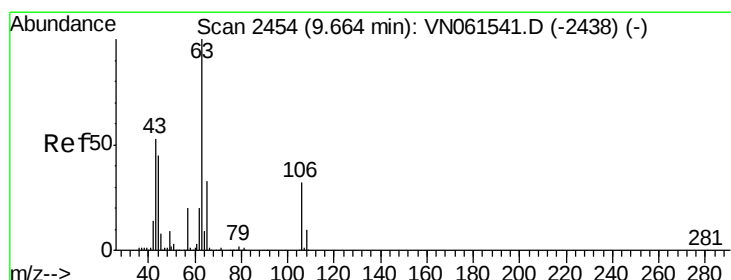
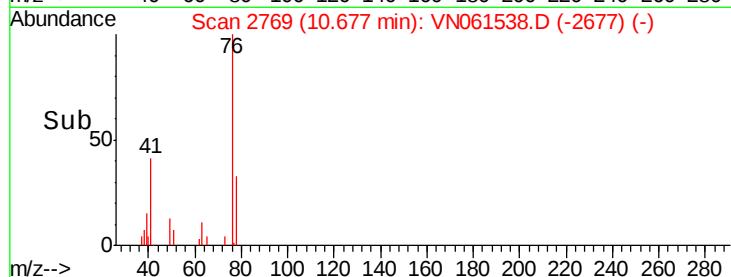
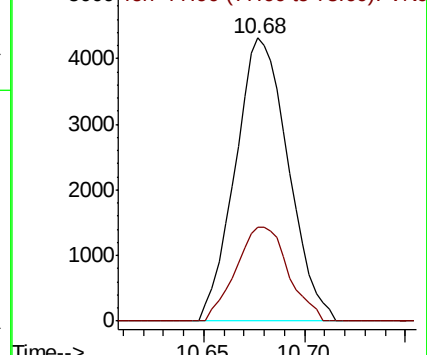
76 100

78 32.7 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.512 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061538.D

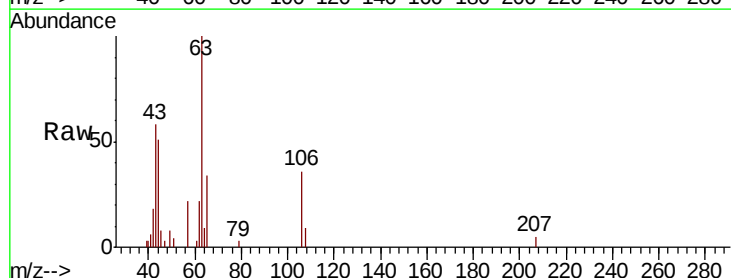
Acq: 28 May 2020 17:45

Tgt Ion: 63 Resp: 11257

Ion Ratio Lower Upper

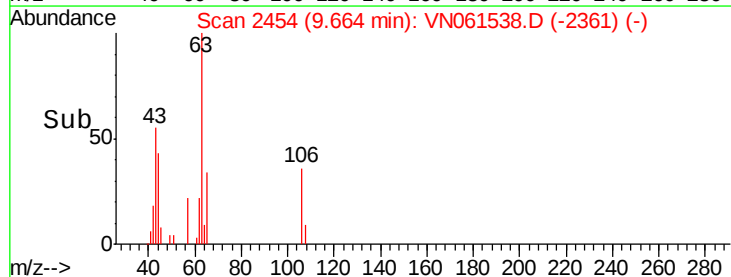
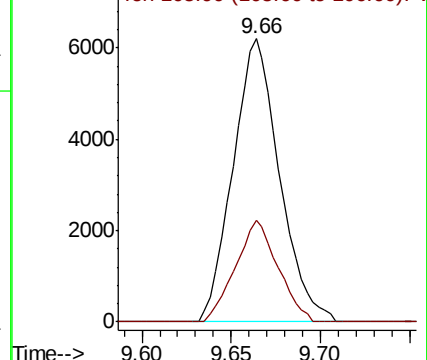
63 100

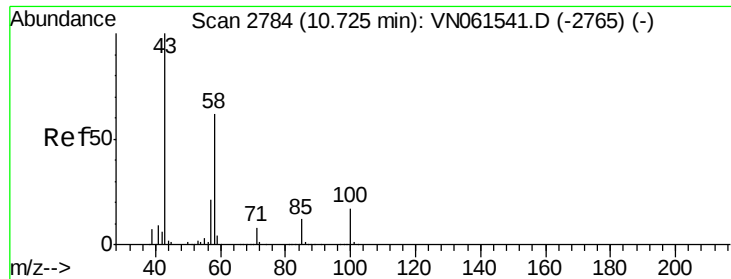
106 32.7 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

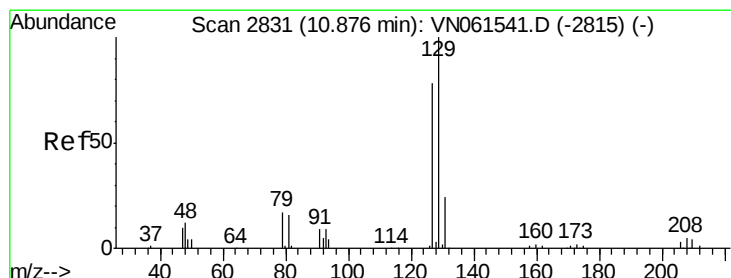
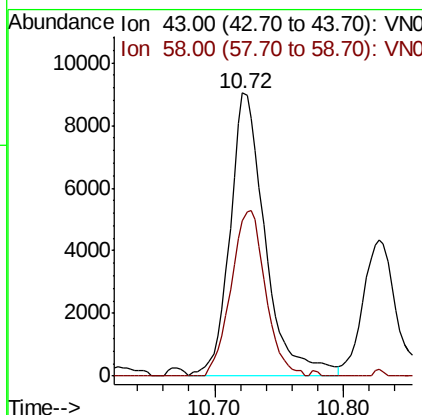
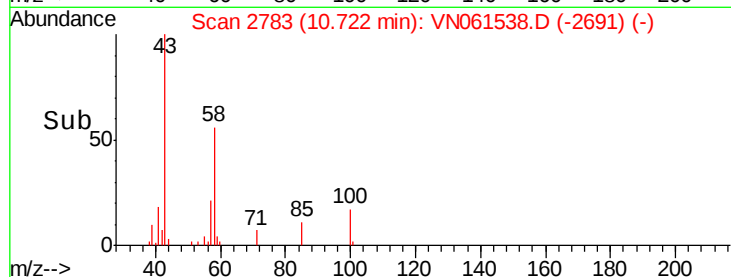
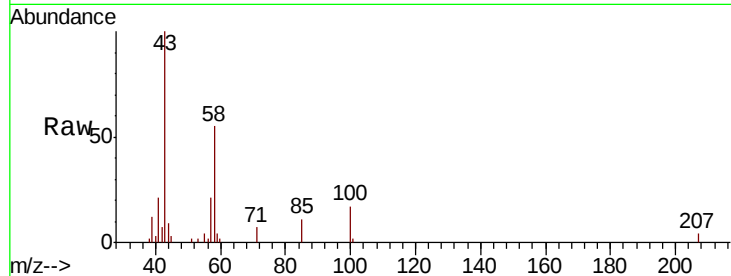




#59
2-Hexanone
Concen: 4.346 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

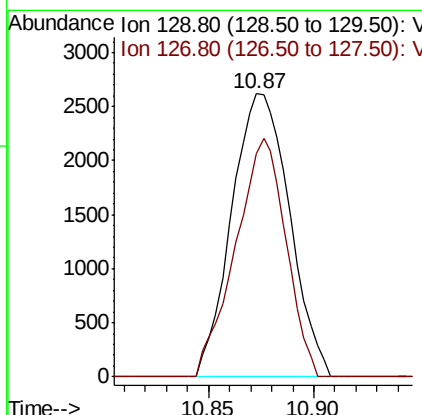
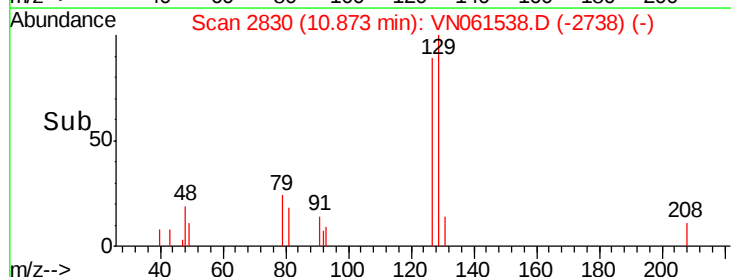
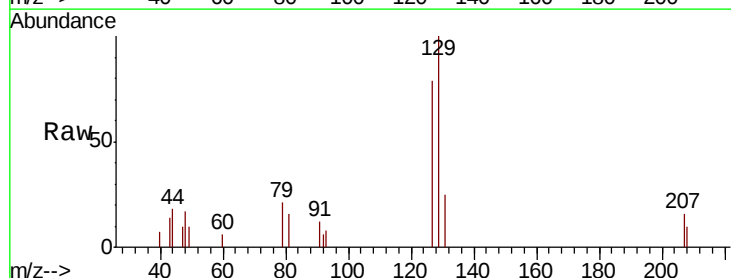
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

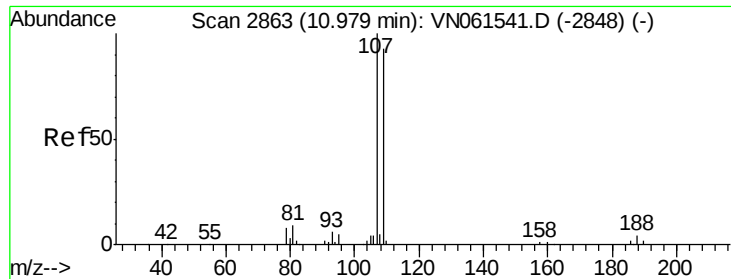
Tot Ion: 43 Resp: 17217
Ion Ratio Lower Upper
43 100
58 56.5 30.7 92.1



#60
Dibromochloromethane
Concen: 0.946 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 129 Resp: 4988
Ion Ratio Lower Upper
129 100
127 73.5 38.8 116.3

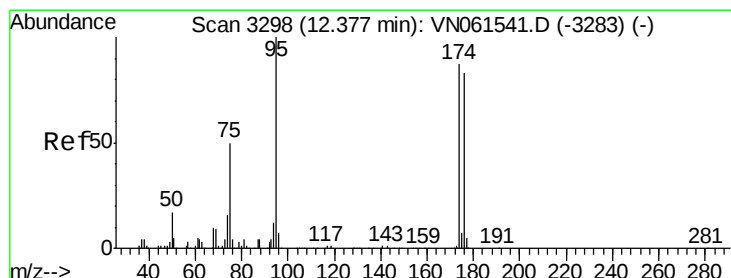
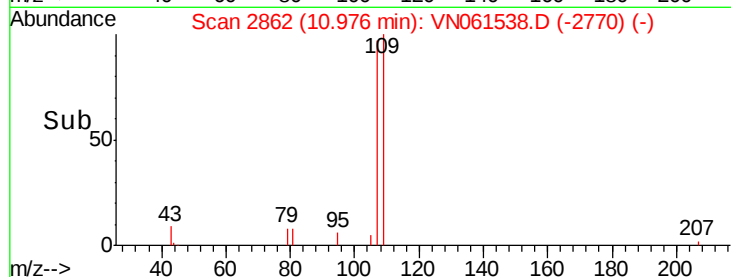
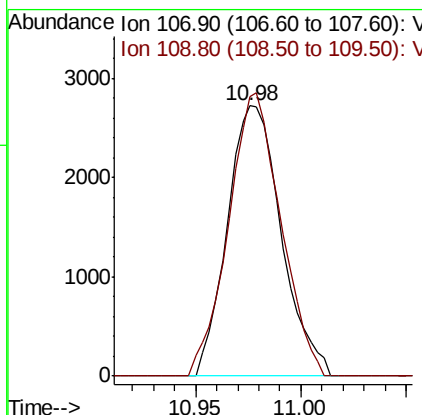
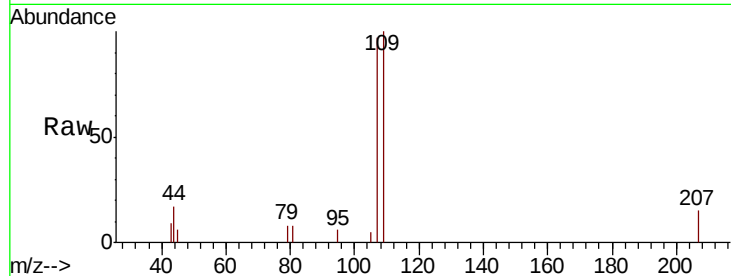




#61
 1,2-Dibromoethane
 Concen: 0.969 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

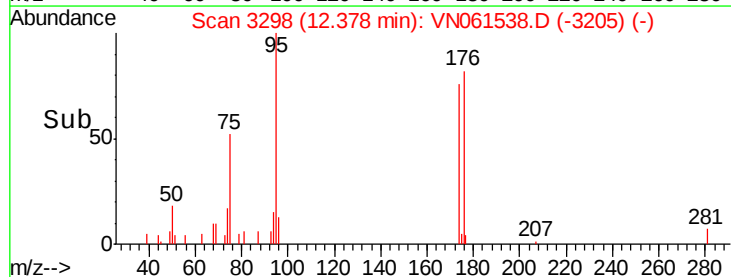
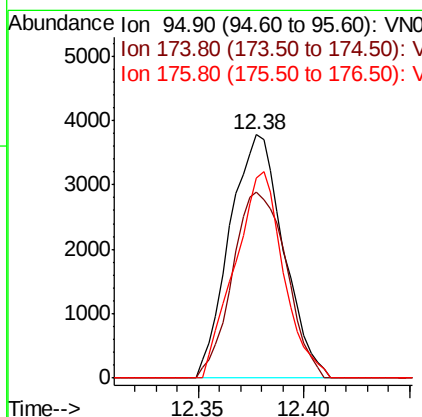
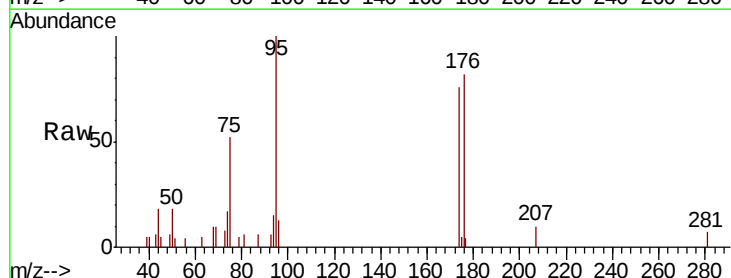
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:107 Resp: 4833
 Ion Ratio Lower Upper
 107 100
 109 101.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 1.069 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 95 Resp: 6695
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 172.8
 176 76.8 0.0 164.8

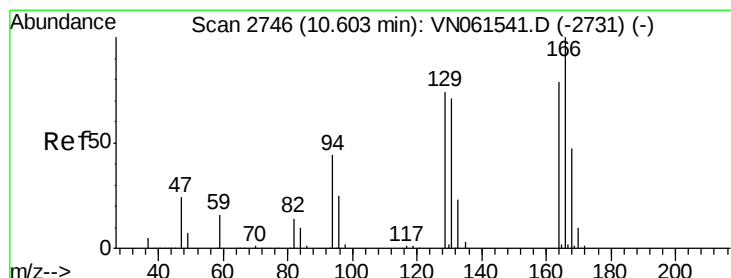
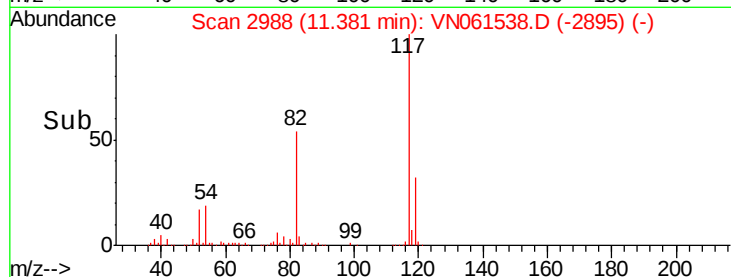
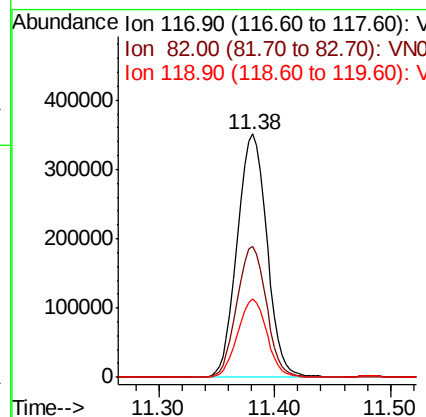
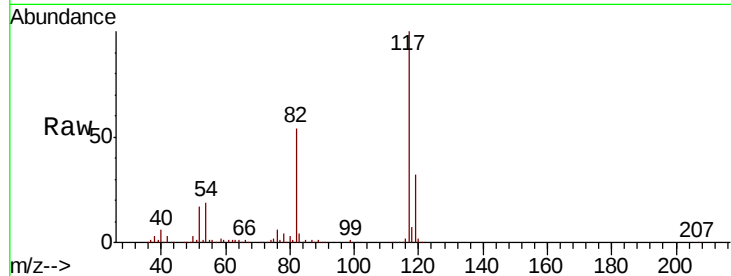




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

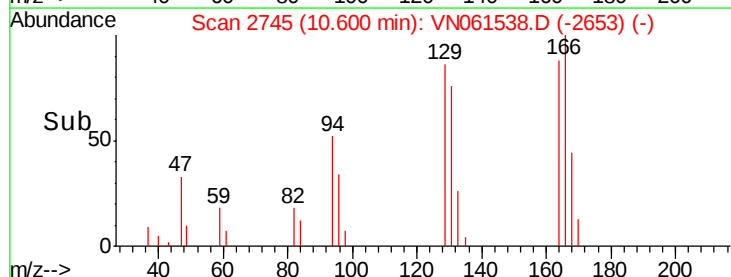
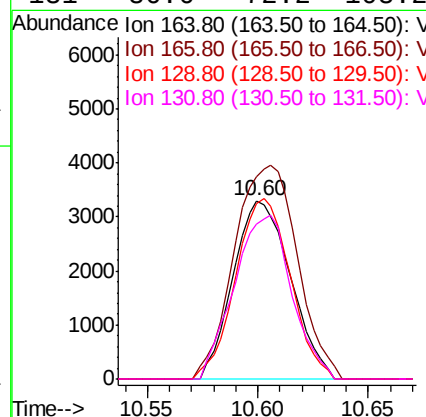
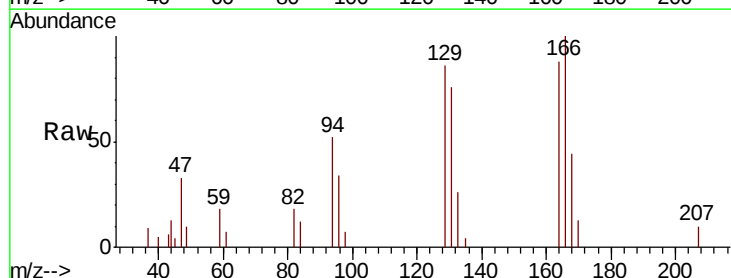
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

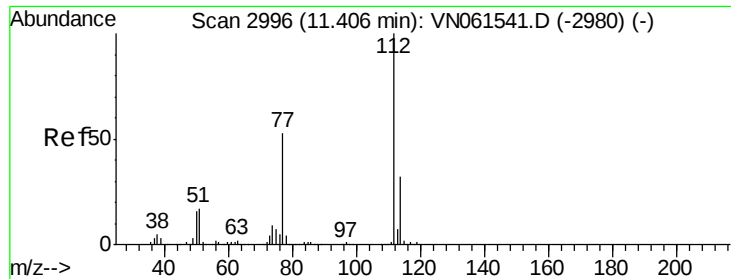
Tot Ion:117 Resp: 624291
Ion Ratio Lower Upper
117 100
82 53.7 41.5 62.3
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 1.190 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:164 Resp: 5926
Ion Ratio Lower Upper
164 100
166 113.5 101.5 152.3
129 98.1 74.9 112.3
131 86.6 72.2 108.2

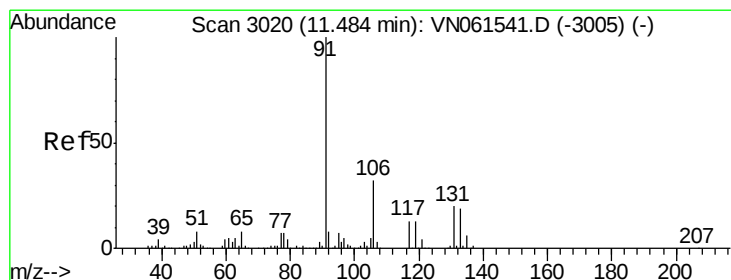
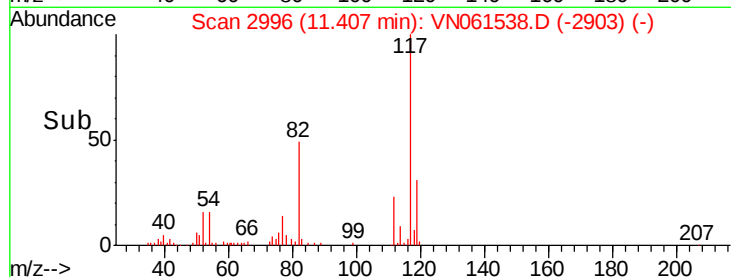
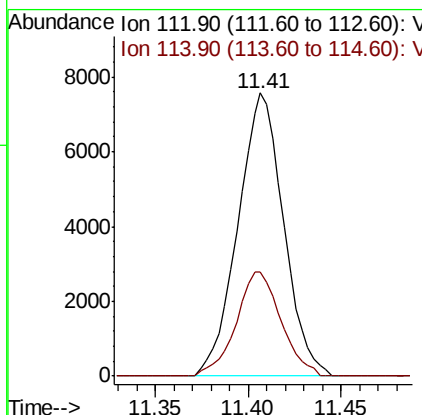
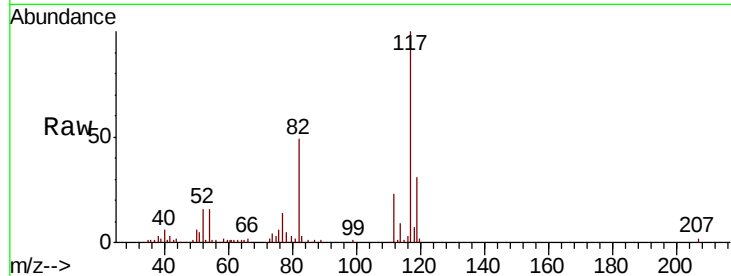




#65
Chlorobenzene
Concen: 1.017 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

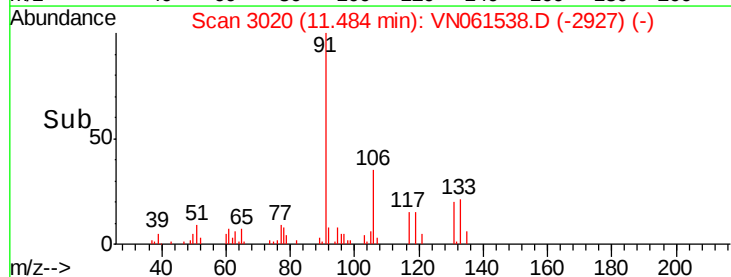
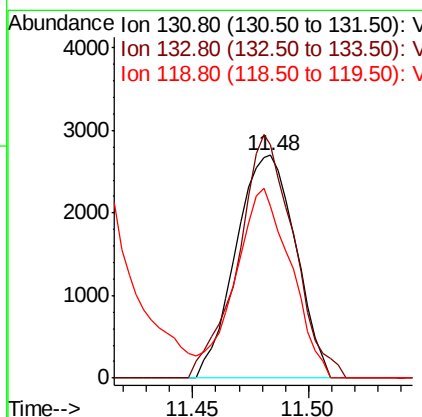
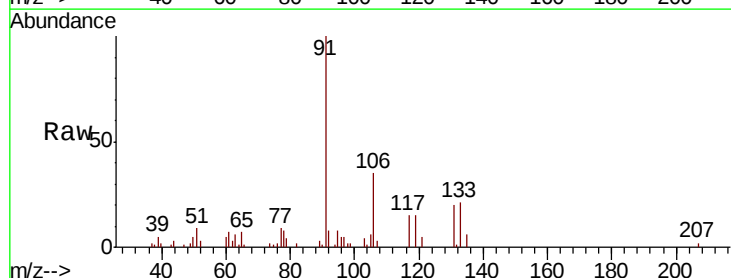
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 12911
Ion Ratio Lower Upper
112 100
114 36.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 1.056 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:131 Resp: 4837
Ion Ratio Lower Upper
131 100
133 101.4 47.4 142.2
119 0.0 32.6 97.8#

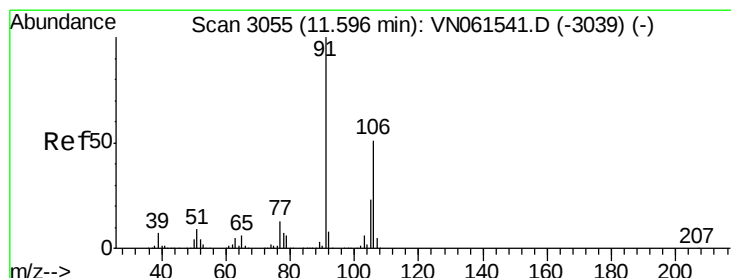
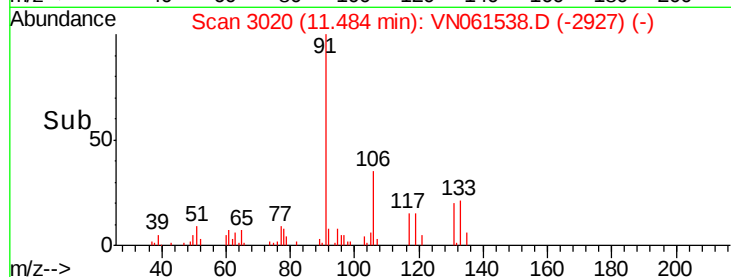
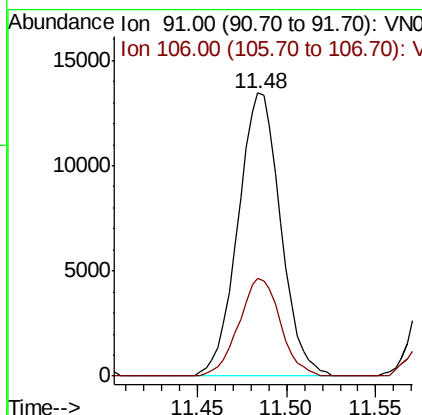
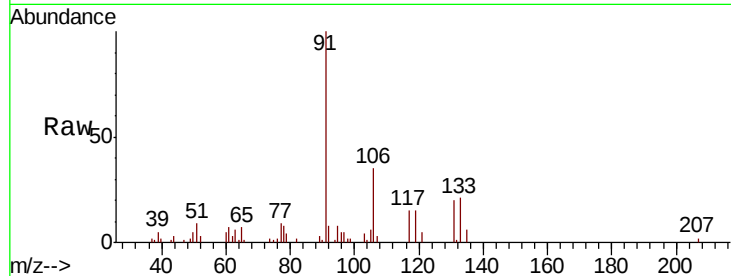




#67
Ethyl Benzene
Concen: 0.978 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

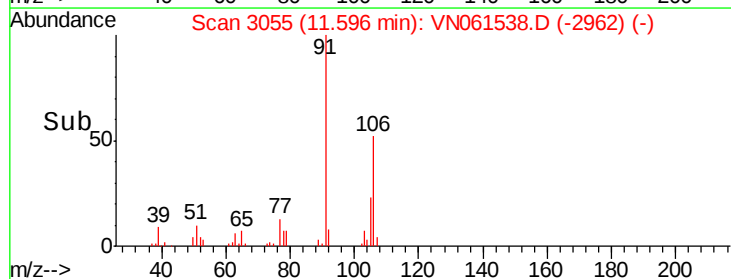
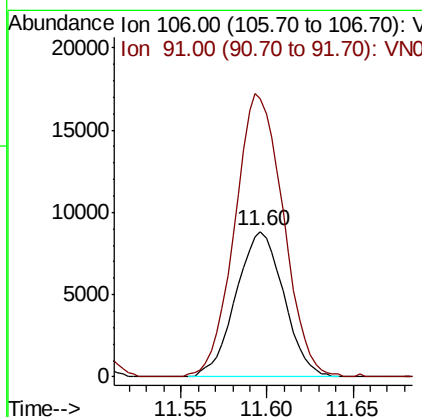
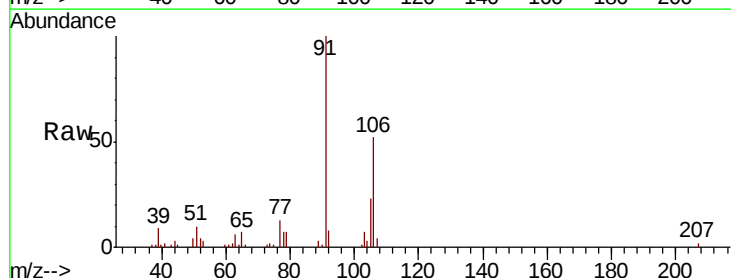
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

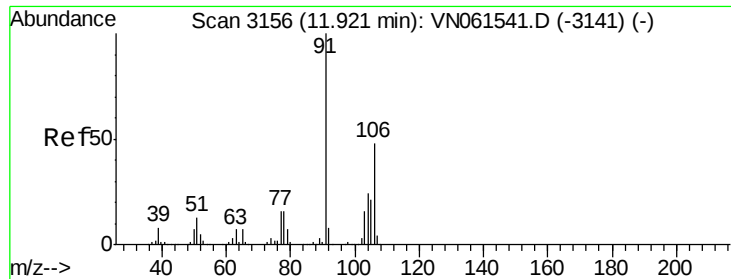
Tot Ion: 91 Resp: 22387
Ion Ratio Lower Upper
91 100
106 34.6 25.6 38.4



#68
m/p-Xylenes
Concen: 1.951 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 106 Resp: 17070
Ion Ratio Lower Upper
106 100
91 197.9 156.2 234.4

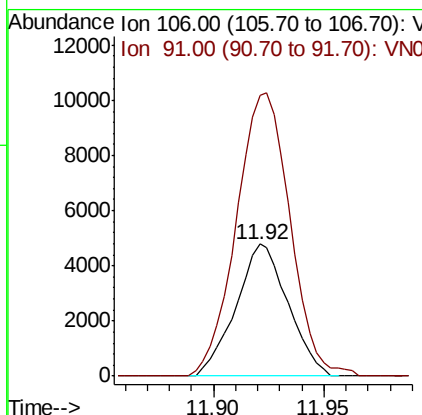
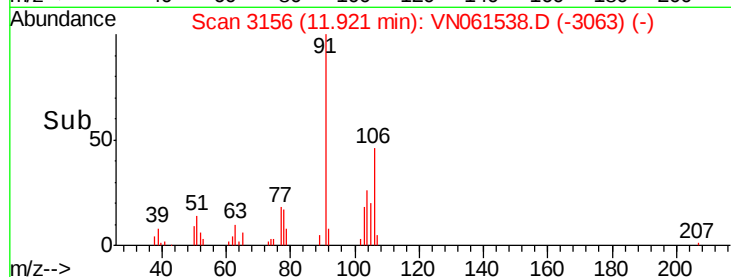
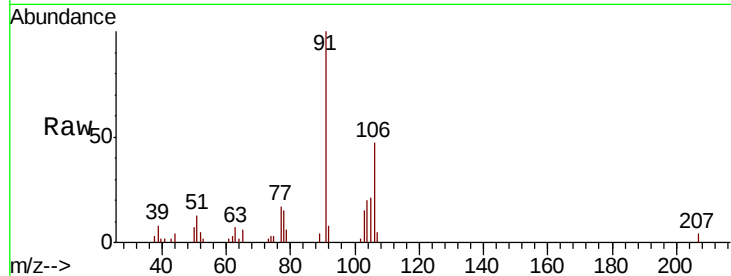




#69
o-Xylene
Concen: 0.925 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

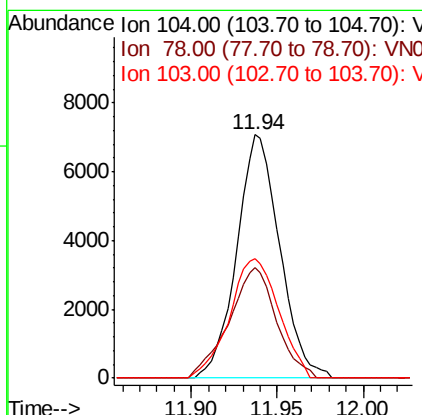
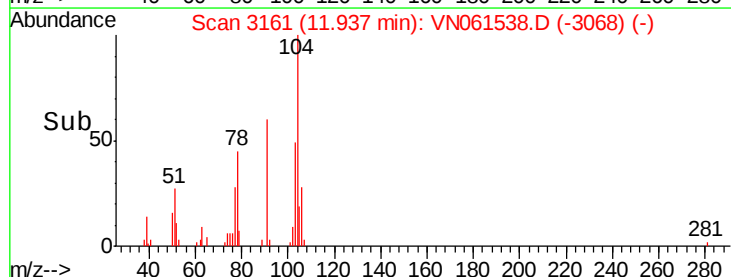
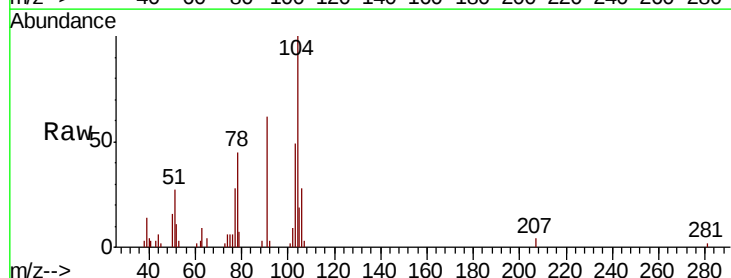
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

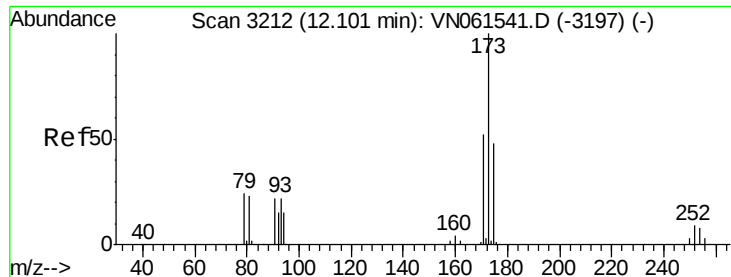
Tot Ion:106 Resp: 7829
Ion Ratio Lower Upper
106 100
91 221.7 103.3 309.8



#70
Styrene
Concen: 0.878 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:104 Resp: 12294
Ion Ratio Lower Upper
104 100
78 50.0 37.4 56.0
103 56.1 42.3 63.5

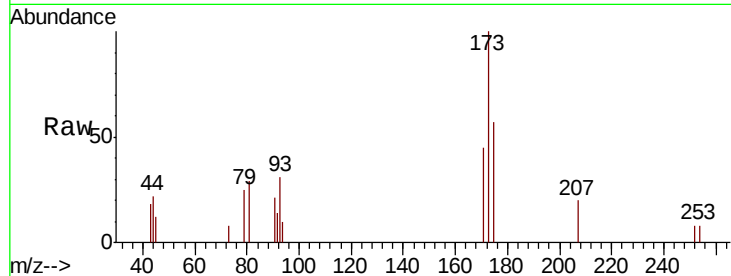




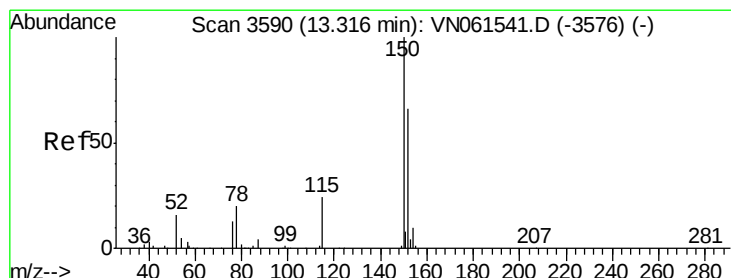
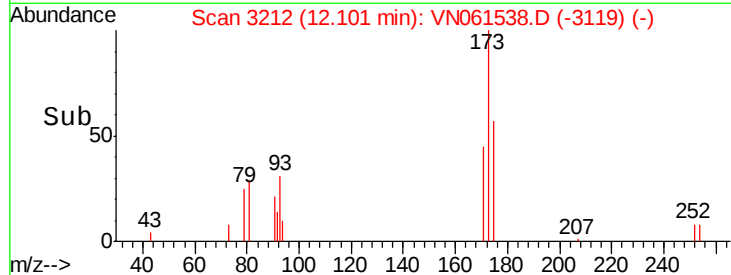
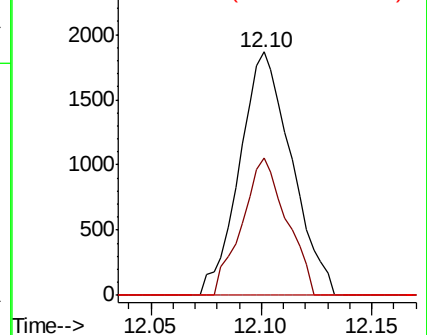
#71
Bromoform
Concen: 0.929 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:173 Resp: 3042
Ion Ratio Lower Upper
173 100
175 48.6 24.4 73.2
254 0.0 0.0 0.0

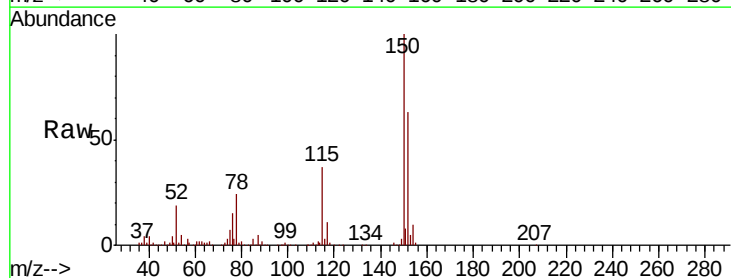


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

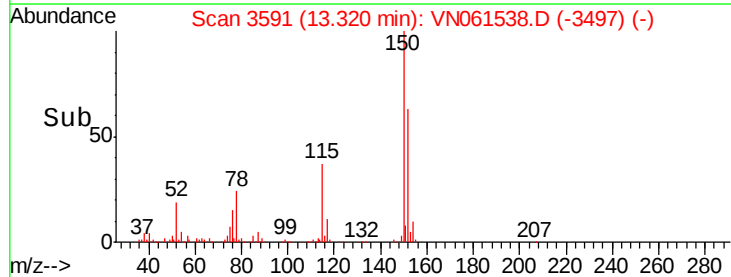
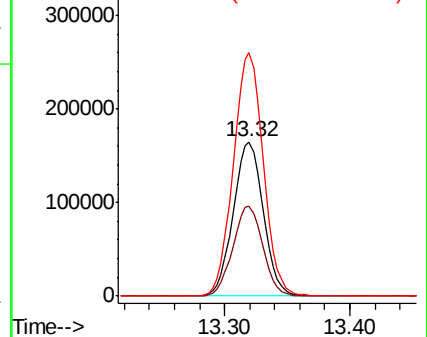


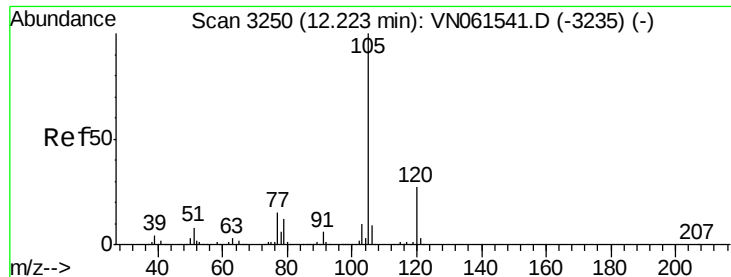
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:152 Resp: 274006
Ion Ratio Lower Upper
152 100
115 58.0 28.0 84.0
150 156.9 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.976 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

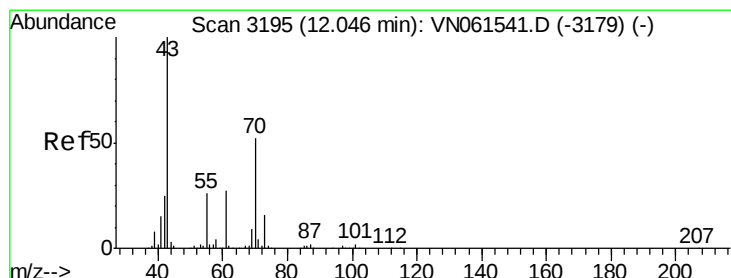
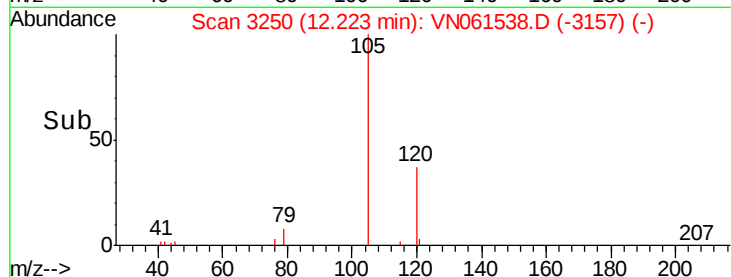
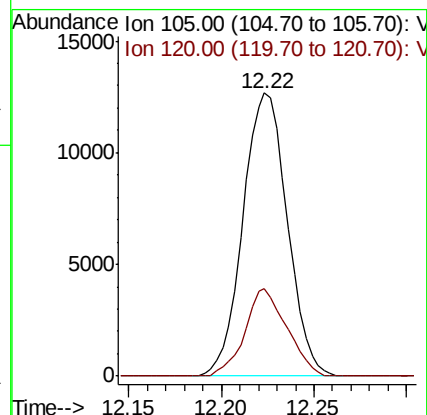
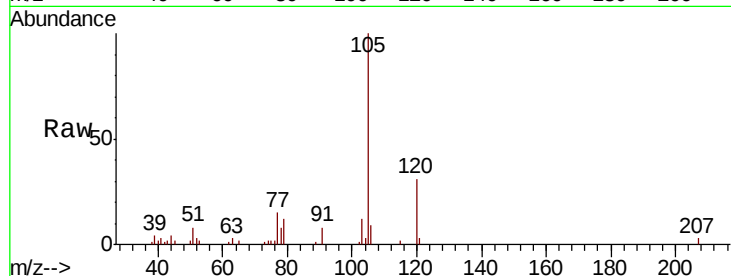
VSTDIC001

Tot Ion:105 Resp: 21007

Ion Ratio Lower Upper

105 100

120 29.2 13.8 41.3



#74

N-ethyl acetate

Concen: 0.683 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion: 43 Resp: 5296

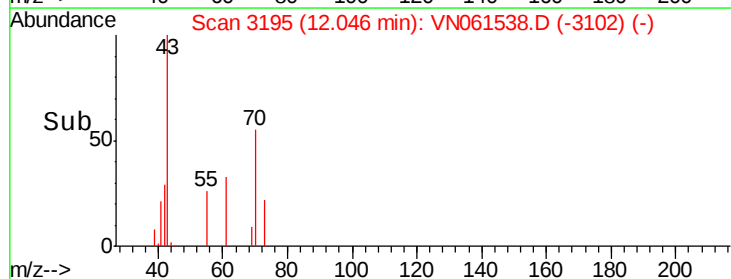
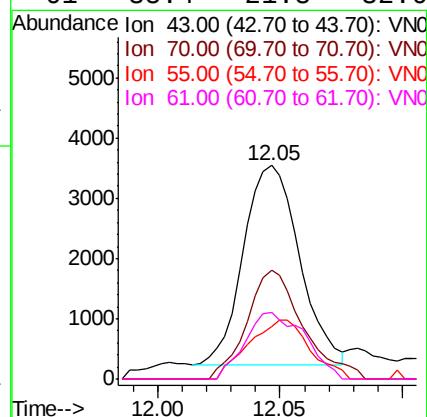
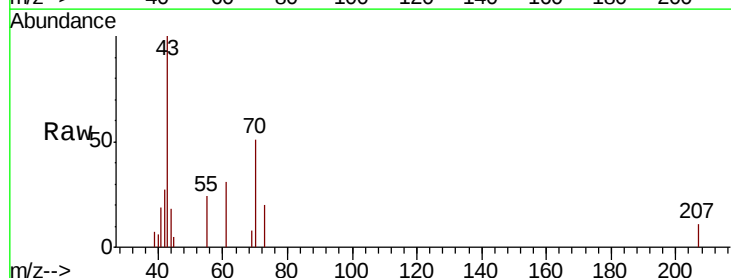
Ion Ratio Lower Upper

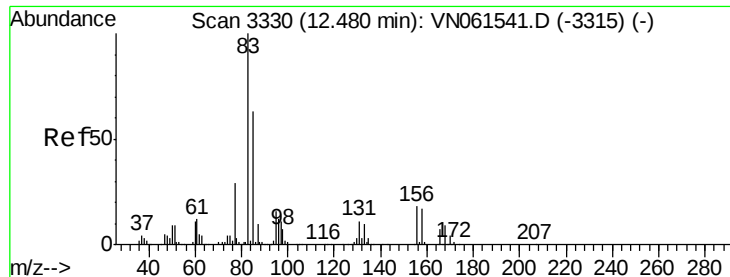
43 100

70 54.4 40.5 60.7

55 32.2 20.6 31.0#

61 35.4 21.8 32.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.047 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

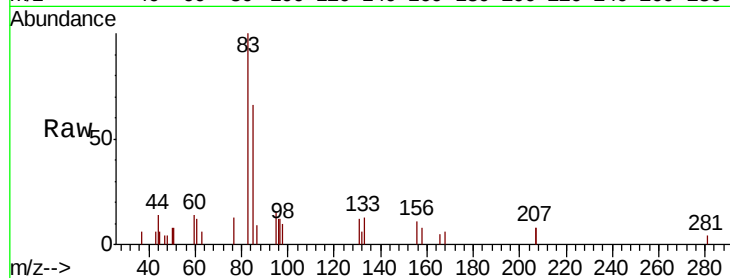
Tot Ion: 83 Resp: 6209

Ion Ratio Lower Upper

83 100

131 9.4 5.5 16.5

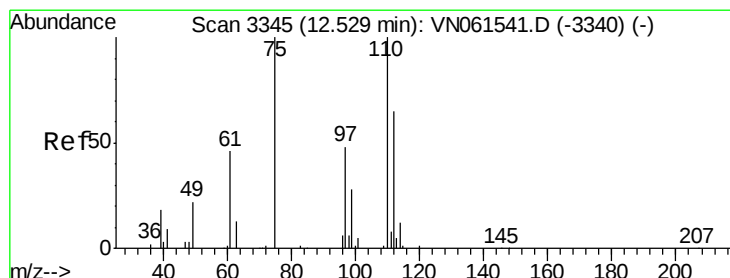
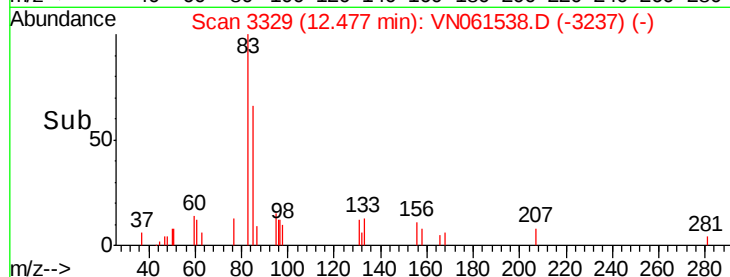
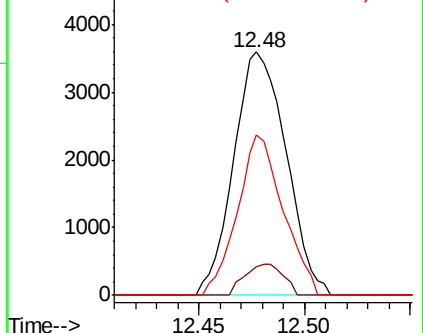
85 57.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061538.D (-3327) (-)

Ion 130.80 (130.50 to 131.50): VN061538.D (-3327) (-)

Ion 84.90 (84.60 to 85.60): VN061538.D (-3327) (-)



#76

1,2,3-Trichloropropane

Concen: 1.327 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061538.D

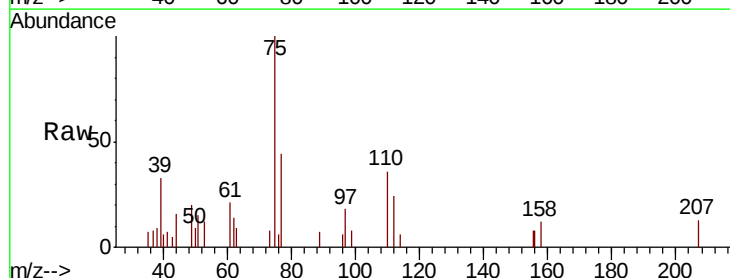
Acq: 28 May 2020 17:45

Tgt Ion: 75 Resp: 7570

Ion Ratio Lower Upper

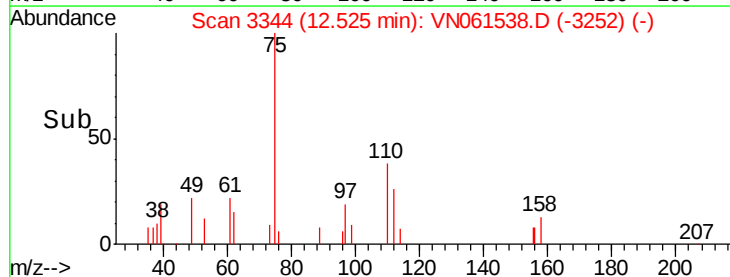
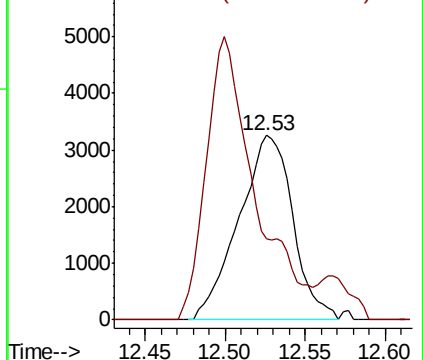
75 100

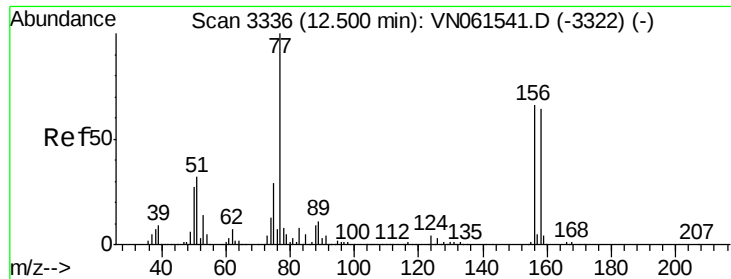
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061538.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061538.D (-3252) (-)





#77

Bromobenzene

Concen: 1.116 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

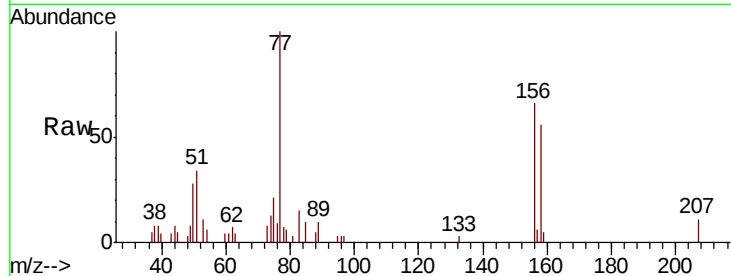
Tot Ion:156 Resp: 5355

Ion Ratio Lower Upper

156 100

77 196.7 90.9 272.7

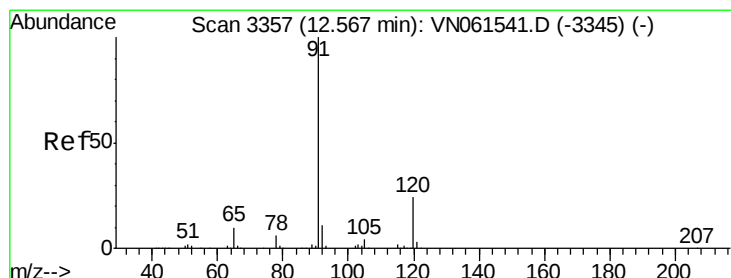
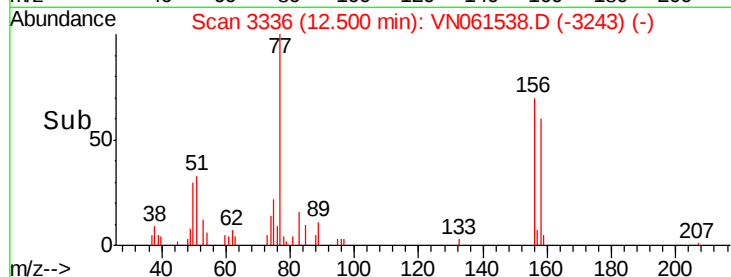
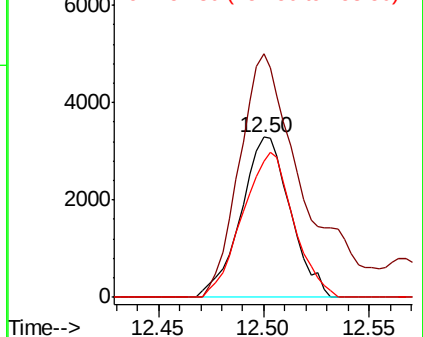
158 93.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.994 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061538.D

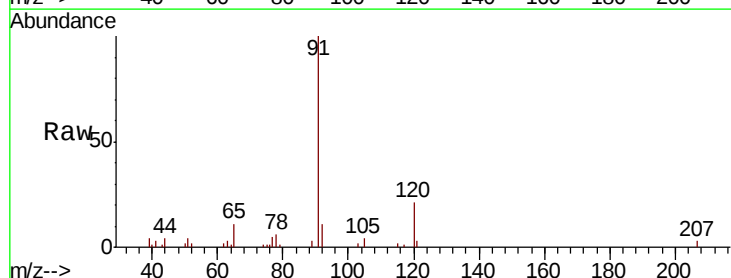
Acq: 28 May 2020 17:45

Tgt Ion: 91 Resp: 24249

Ion Ratio Lower Upper

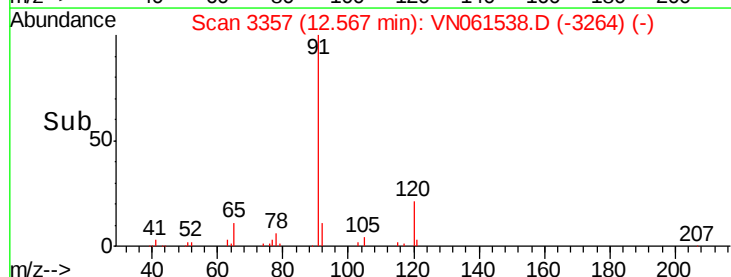
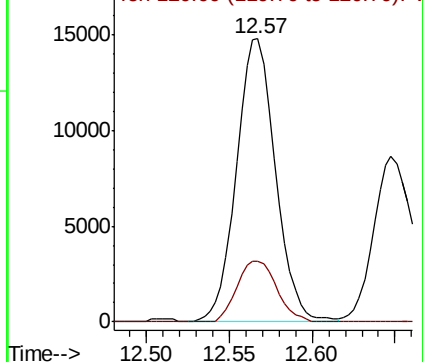
91 100

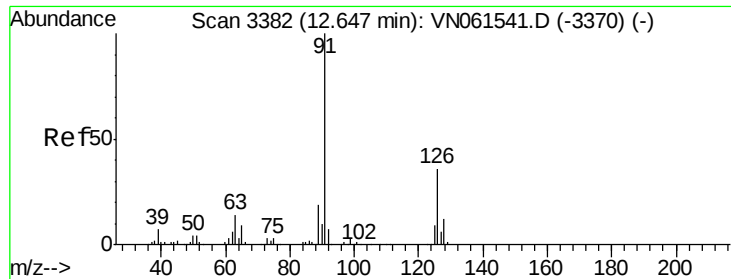
120 21.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

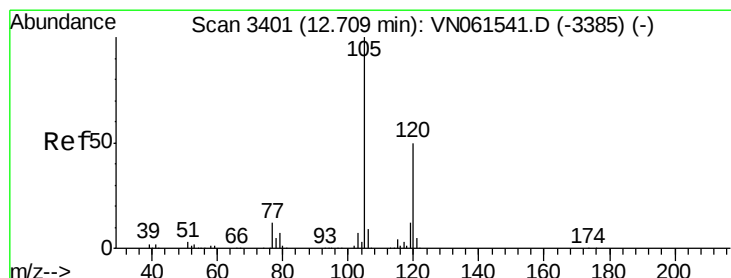
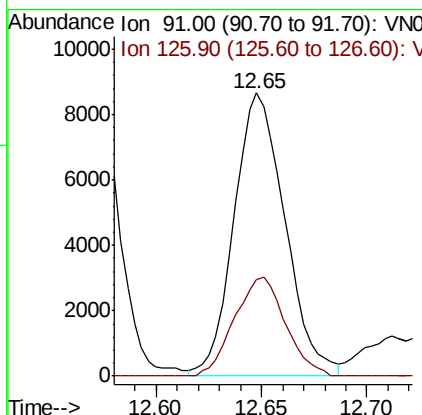
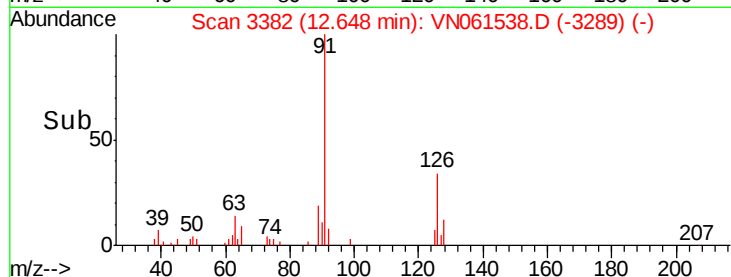
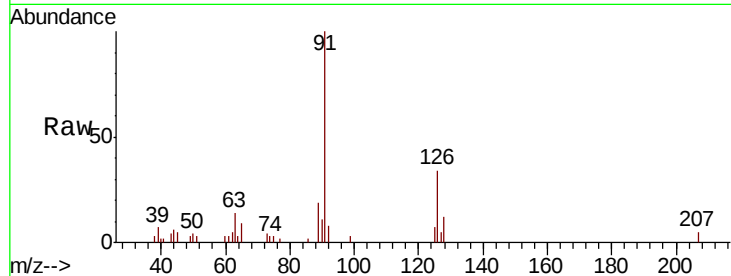




#79
 2-Chlorotoluene
 Concen: 1.007 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

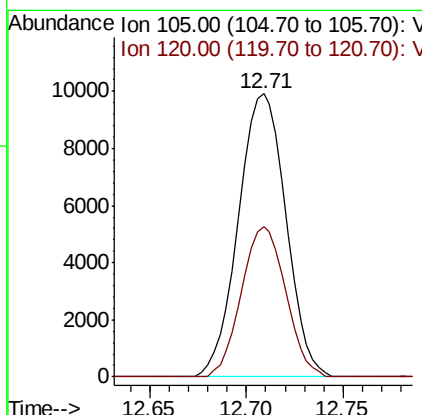
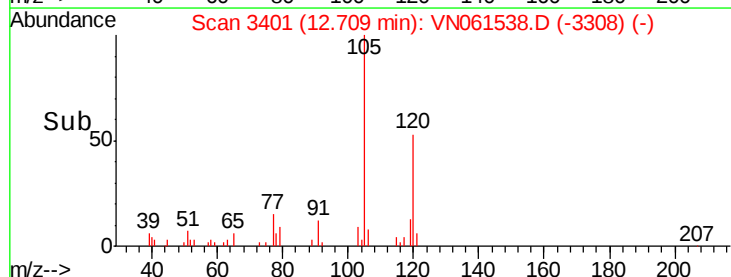
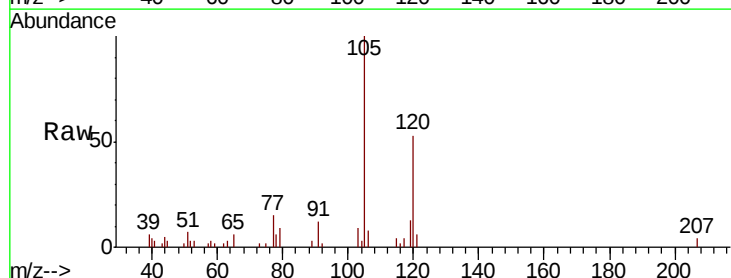
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

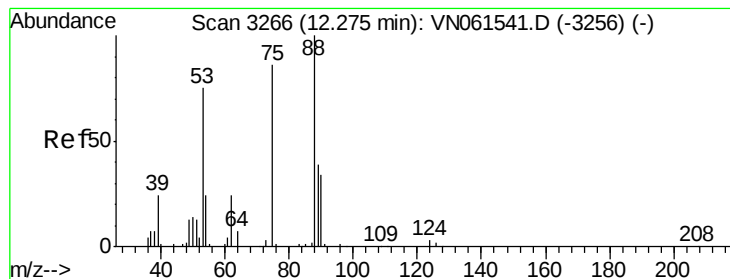
Tot Ion: 91 Resp: 14569
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.962 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 105 Resp: 16979
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.949 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

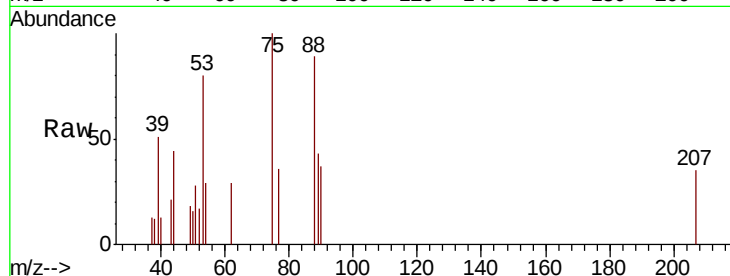
Tot Ion: 75 Resp: 2058

Ion Ratio Lower Upper

75 100

53 94.4 67.8 101.8

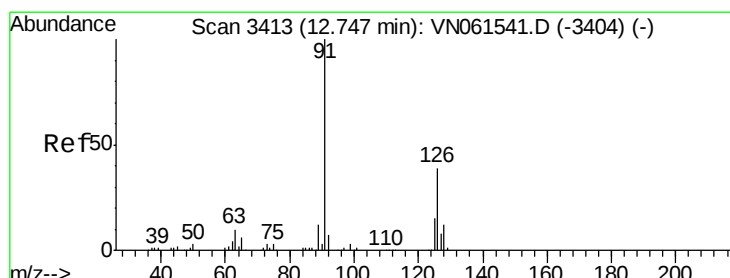
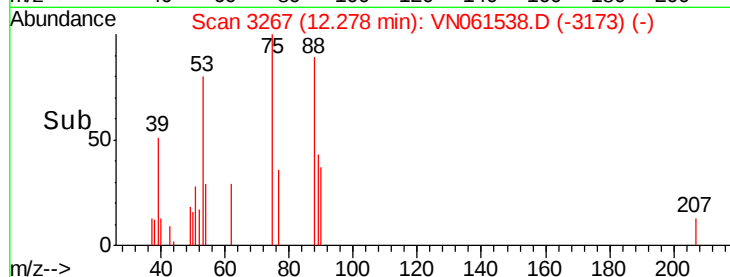
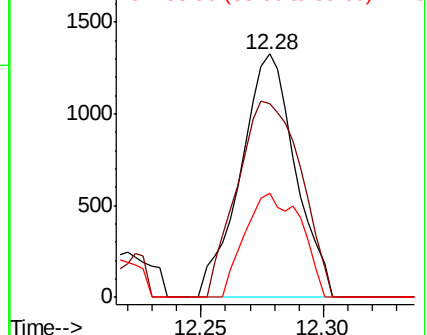
89 43.8 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061541.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061541.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 1.018 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061538.D

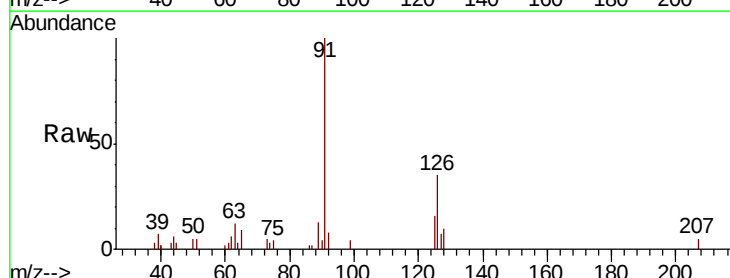
Acq: 28 May 2020 17:45

Tgt Ion: 91 Resp: 15246

Ion Ratio Lower Upper

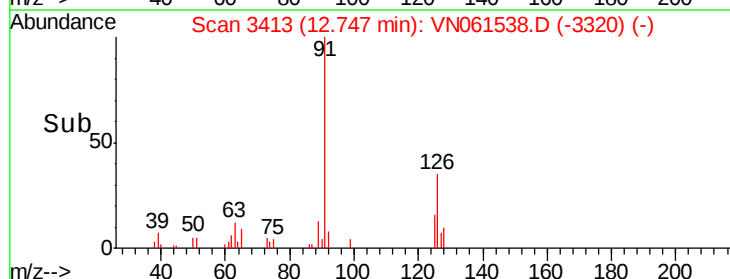
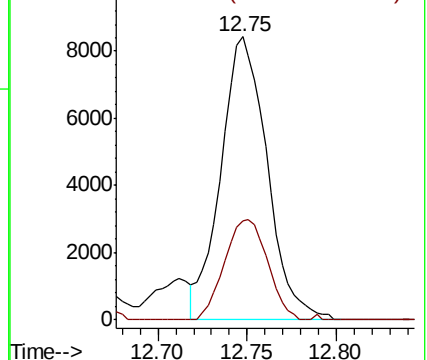
91 100

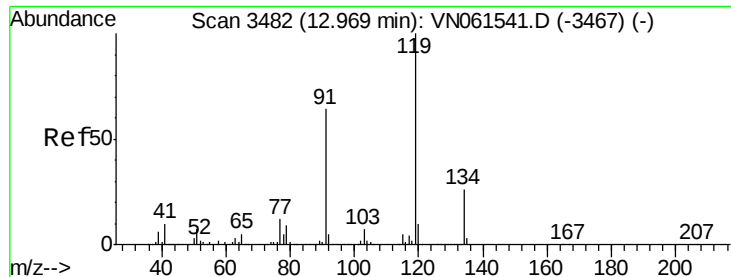
126 33.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3404) (-)

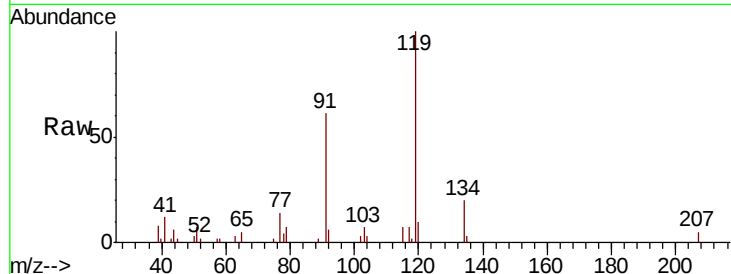




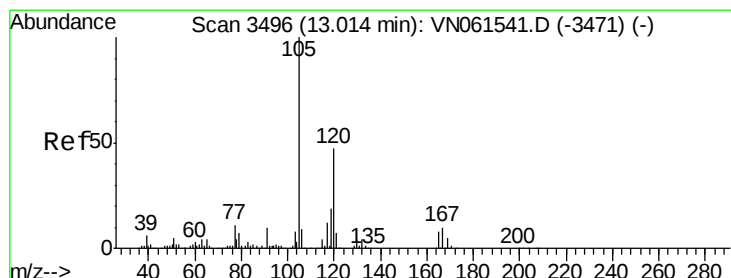
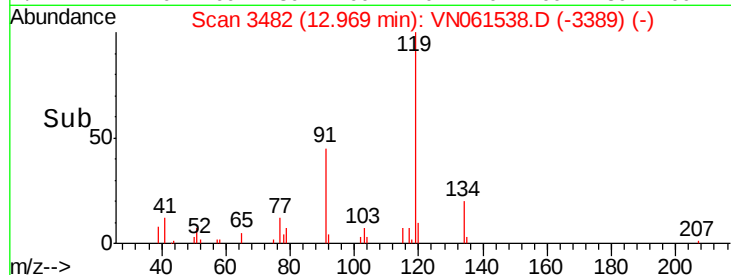
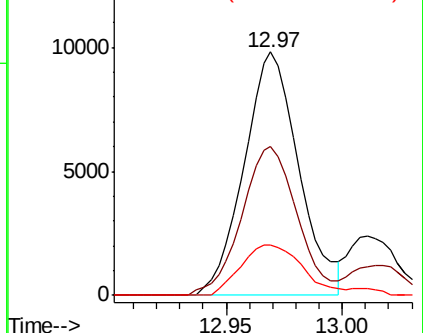
#83
tert-Butylbenzene
Concen: 1.061 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:119 Resp: 16077
Ion Ratio Lower Upper
119 100
91 62.1 31.3 93.8
134 23.4 13.5 40.4

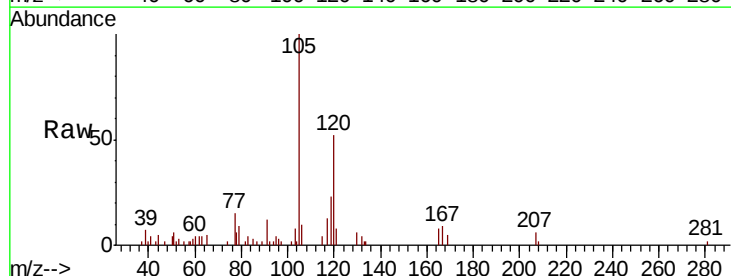


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

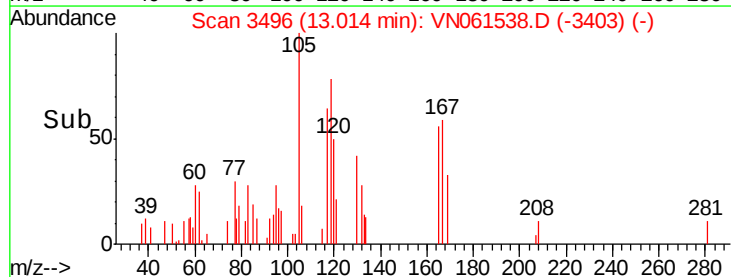
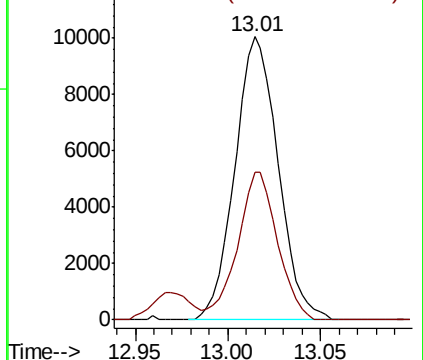


#84
1,2,4-Trimethylbenzene
Concen: 0.921 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:105 Resp: 16263
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.970 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

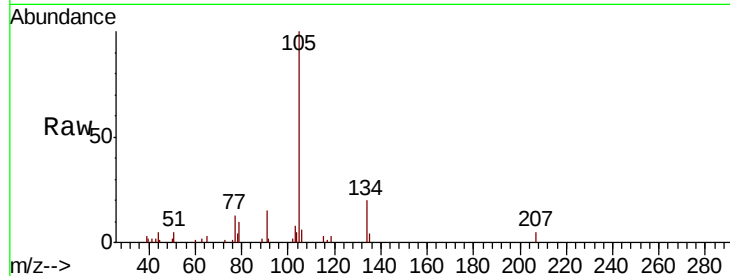
VSTDIC001

Tot Ion:105 Resp: 19753

Ion Ratio Lower Upper

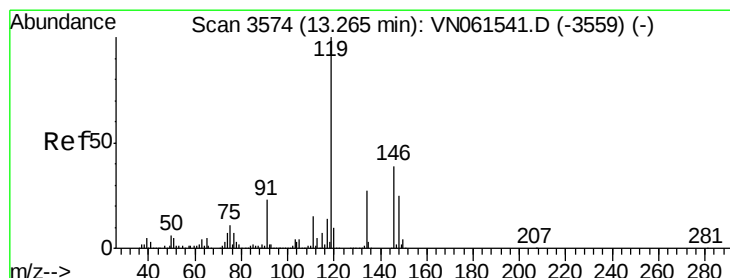
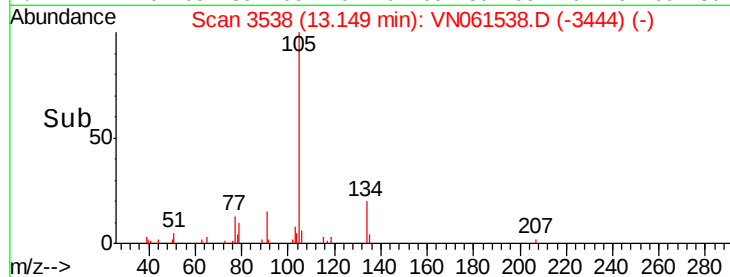
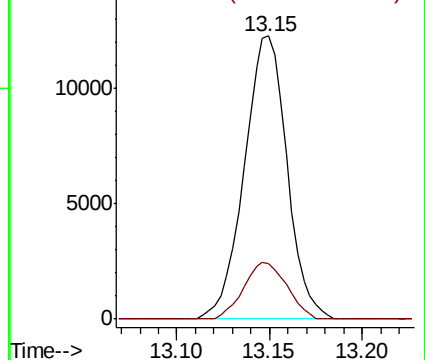
105 100

134 20.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.969 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

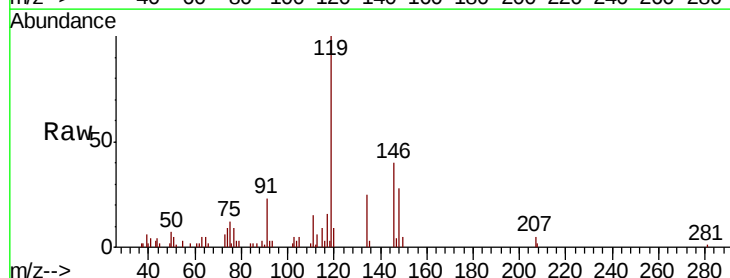
Tgt Ion:119 Resp: 17631

Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.5

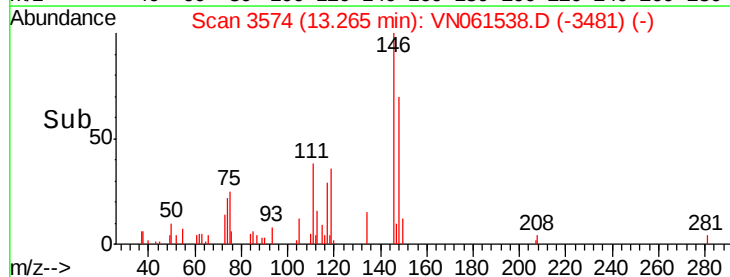
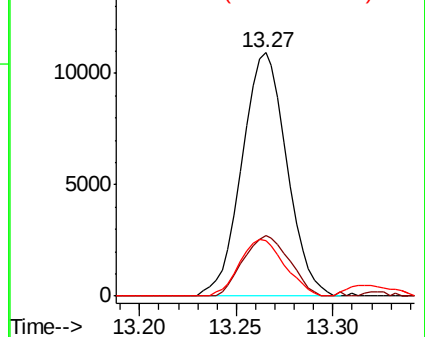
91 23.5 11.4 34.1

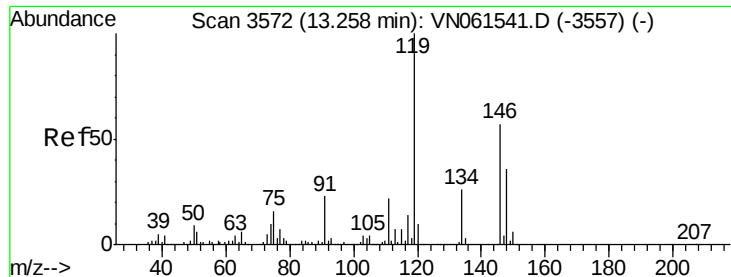


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.025 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

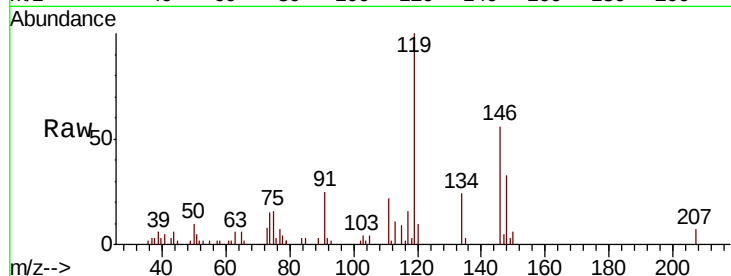
Tot Ion:146 Resp: 8931

Ion Ratio Lower Upper

146 100

111 40.3 19.2 57.6

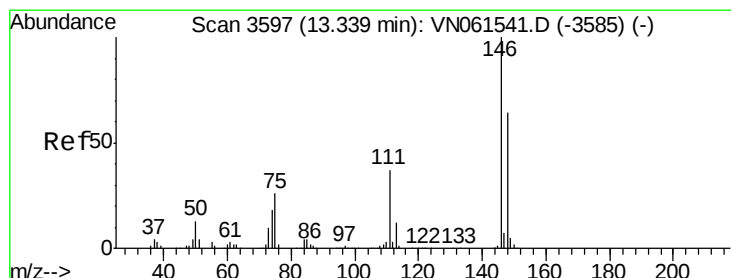
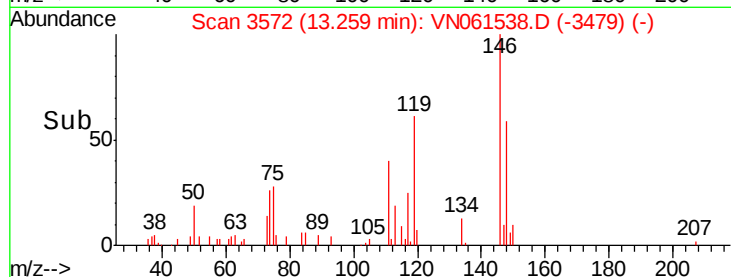
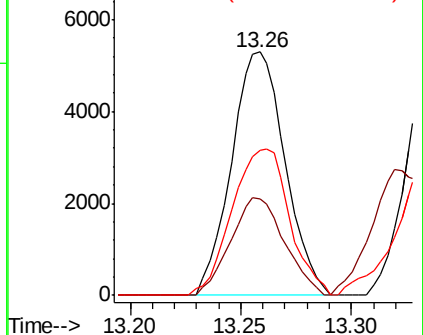
148 64.3 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.109 ug/l

RT: 13.34 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

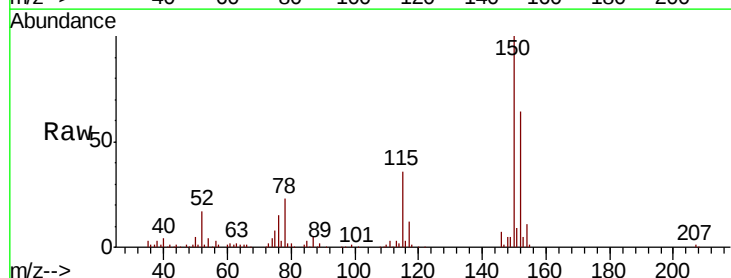
Tgt Ion:146 Resp: 9675

Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.9

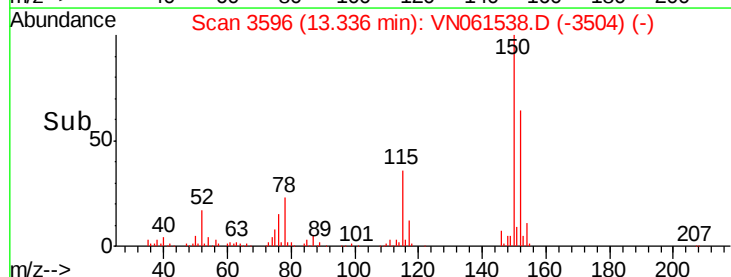
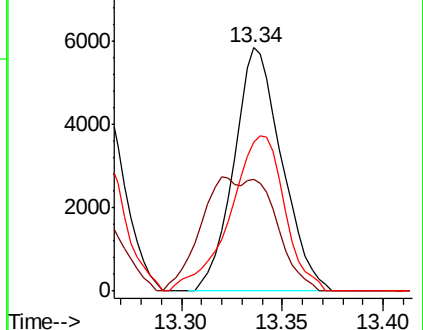
148 72.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.900 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

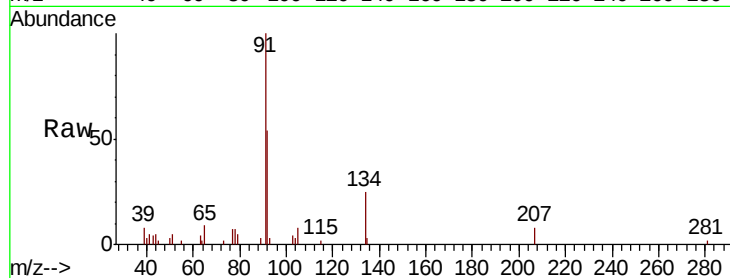
Tot Ion: 91 Resp: 14680

Ion Ratio Lower Upper

91 100

92 53.0 27.2 81.6

134 27.0 14.0 42.0

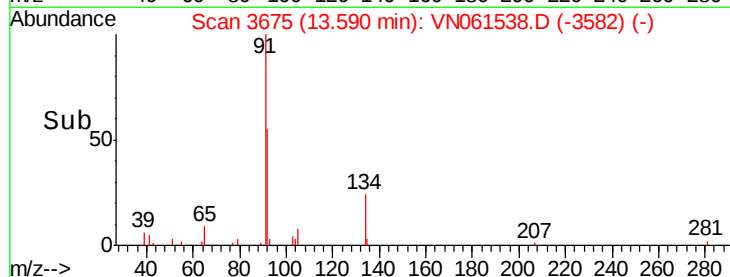


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

Time-->

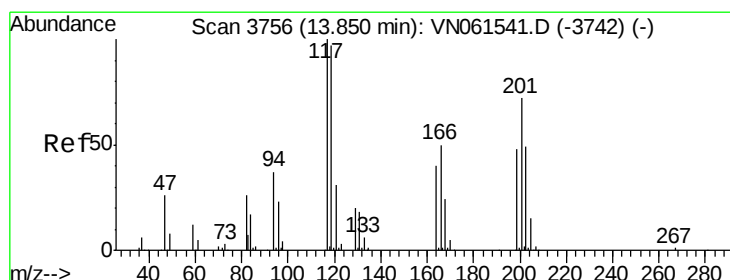


Abundance Ion 91.00 (90.70 to 91.70): VN061538.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN061538.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN061538.D (-3582) (-)

Time-->



#90

Hexachloroethane

Concen: 0.725 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061538.D

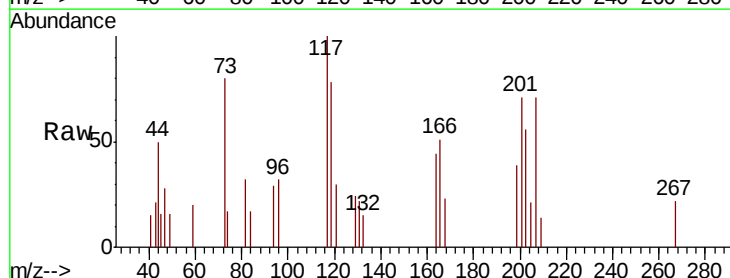
Acq: 28 May 2020 17:45

Tgt Ion: 117 Resp: 1719

Ion Ratio Lower Upper

117 100

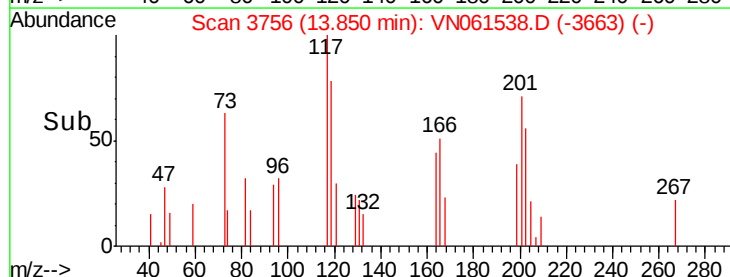
201 76.2 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN061538.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN061538.D (-3663) (-)

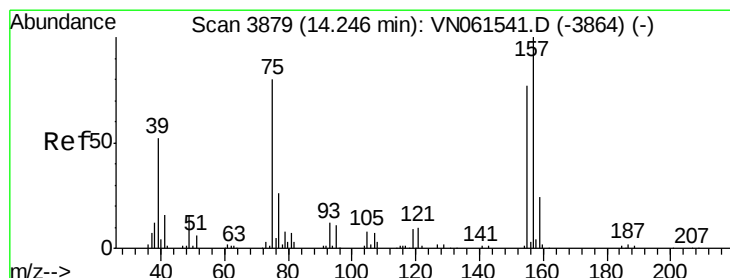
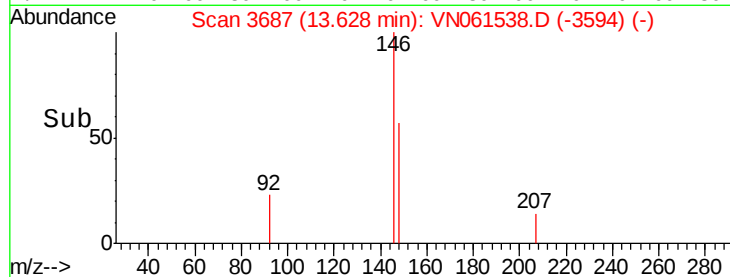
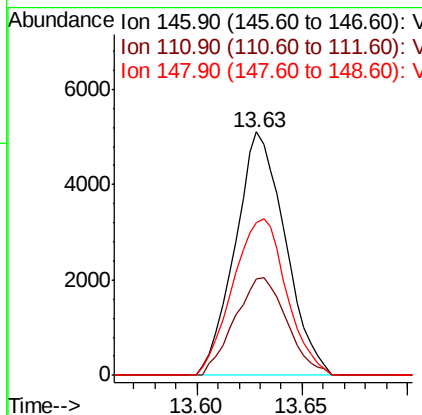
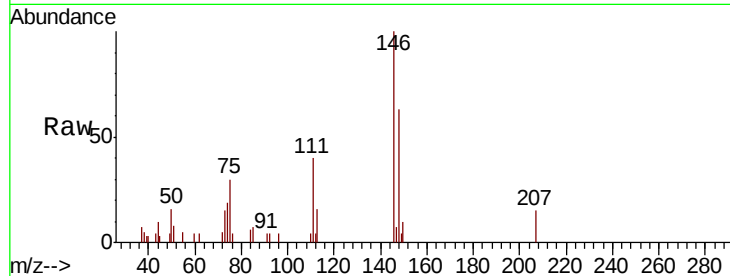
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 1.005 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

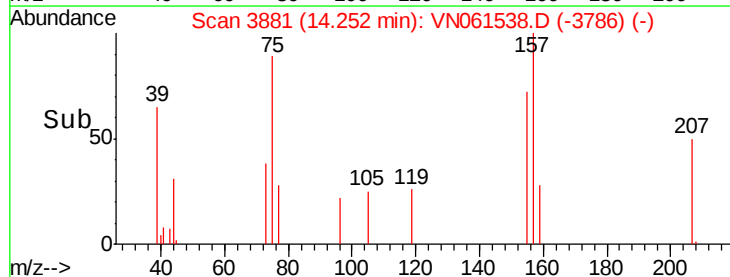
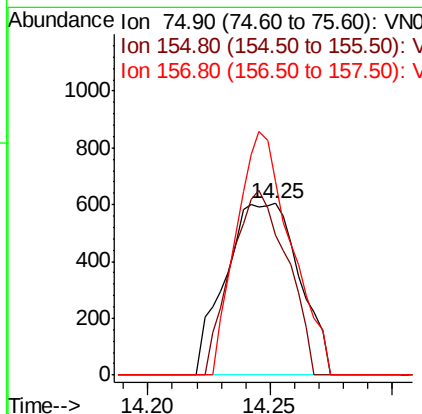
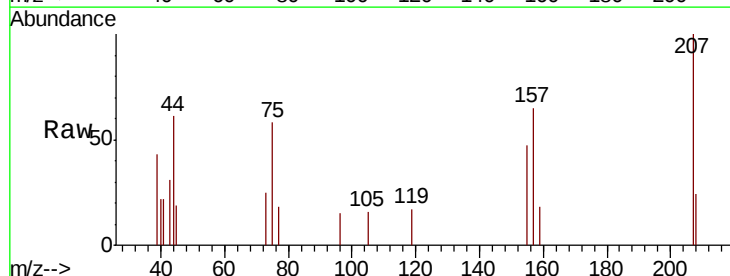
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

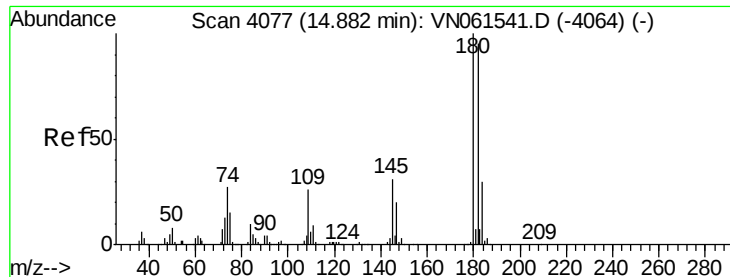
Tot Ion:146 Resp: 8404
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.1 60.2
 148 69.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.054 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. 0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 75 Resp: 1263
 Ion Ratio Lower Upper
 75 100
 155 81.9 47.1 141.4
 157 104.6 60.3 180.8





#93

1,2,4-Trichlorobenzene

Concen: 1.033 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

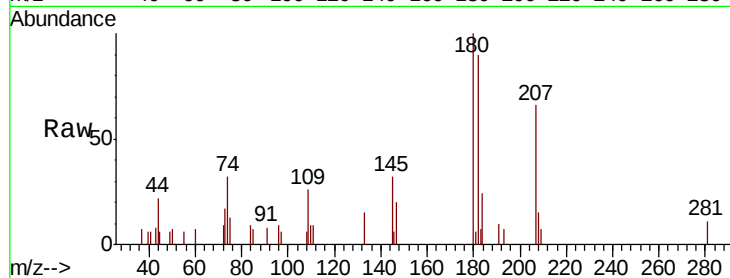
Tot Ion:180 Resp: 4728

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

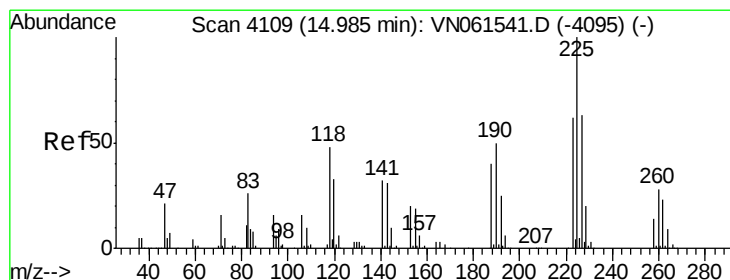
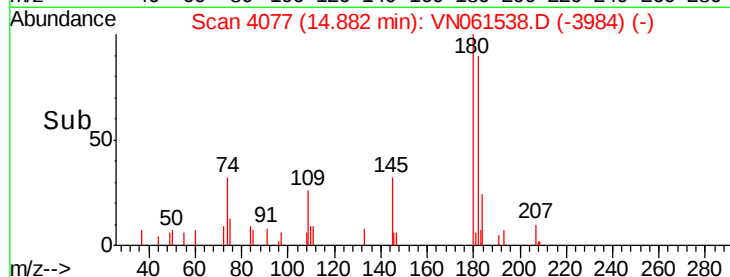
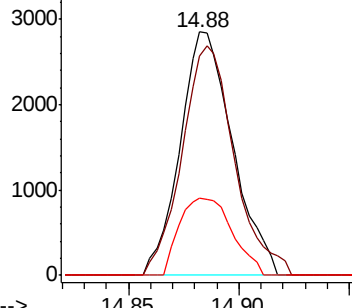
145 31.7 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 1.165 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

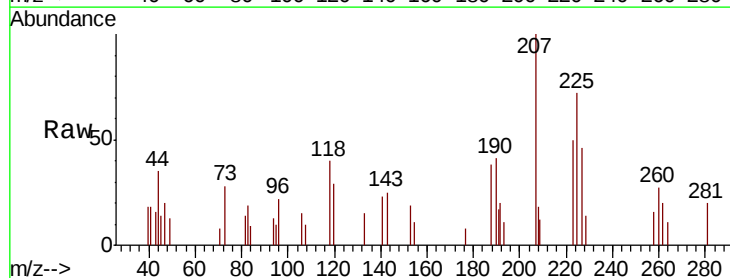
Tgt Ion:225 Resp: 2345

Ion Ratio Lower Upper

225 100

223 57.9 31.9 95.5

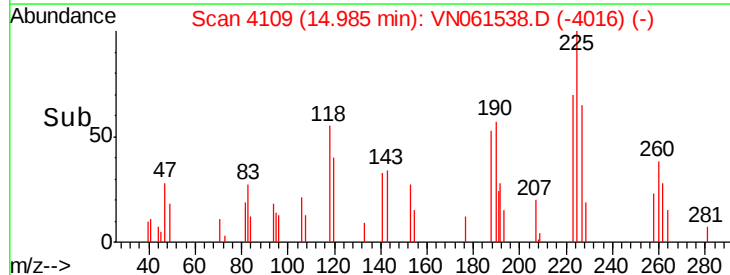
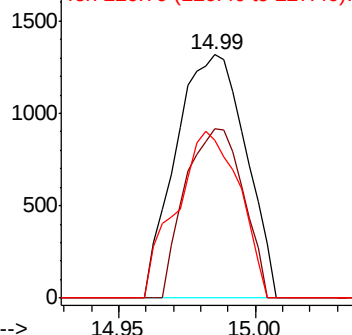
227 61.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

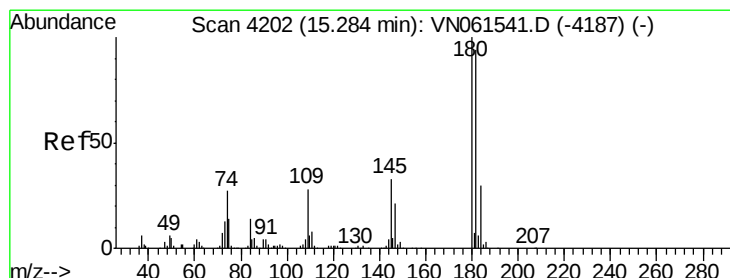
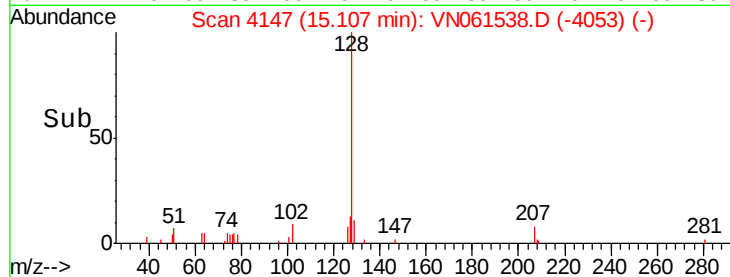
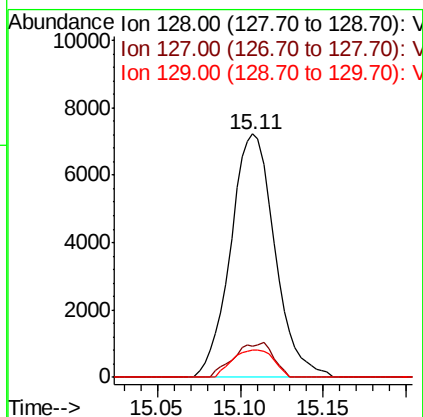
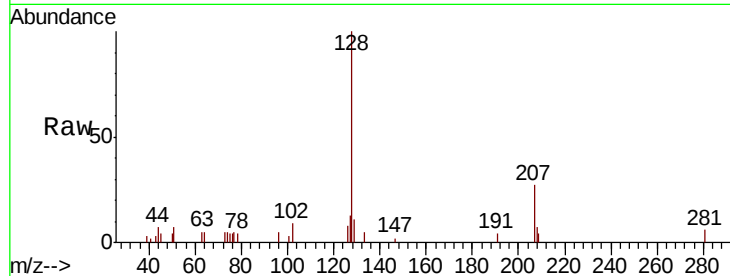




#95
Naphthalene
Concen: 0.925 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 13412
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 1.017 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion:180 Resp: 4647
Ion Ratio Lower Upper
180 100
182 92.9 47.1 141.3
145 35.9 16.3 48.9

